e Minima Journal,

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 1644.—Vol. XXXVII.

LONDON, SATURDAY, FEBRUARY 23, 1867.

STAMPEDSIXPENCE. UNSTAMPED..FIVEPENCE

Mining Exchange, London.

MINING EXCHANGE, LONDON.—As the rules of the Mining Exchange PROHIBIT all its MEMBERS from ADVERTISING MINING SHARES at FIXED PRICES, the Committee feel it their duty to notify that they have no means of offering redress to such of the public as may deal with those advertising shares at fixed prices.

A late of the Members can be had on application to the Secretary.

M. R. JAMES CROFTS, STOCK AND SHAREBROKER, NO. 1, FINCH LANE, CORNHILL.

(Established 23 years.)

HOLDERS of mining shares DIPPICULT OF SALE in the OPEN MARKET may find purchasers for the samethrough Mr. CROFTS' agency. Also parties requiring advices how to act in the DISPOSAL or ARANDOMENT of doubtful mining stocks may profitably avail of Mr. CROFTS' long experience on the market in all cases of doubt or difficulty, legal or otherwise.

The late fall in tin has specially affected tin mines, but it is estimated that the decline is temporary. Copper keeps steady, and no further decline is anti-plated. The following select list, which includes shares in active demand on their merits. Is strongly recommended, either for investment or speculation. See reports:

reports:—
Prince of Wales.
Marke Valley.
Kitty (St. Agnes).
North Crofty,
Drake Walls.

Vales. East Carn Brea. East Grenville.
ley. North Dolcoath. Okel Tor.
Agnes). Redmoor.
ty, Great Retallack.
is. Great South Chiverton. East Lovell.
Bankers: National Bank of Scotland, Finch-lane.

Bankers: National Bank of Scotland, Finch-lane.

V I. L. I. A. M. E. (SUCCESSOR TO JAMES LANE),
44. THREADNEEDLE STREET, LONDON, E.C., STOCK AND
SHARESEALER (Established Thirty Years), has FOR
15 Caldbeck Fells, 12a,
56 Chontales, 13a 9d. dis.
56 East Garnelle, 13a 6d.
66 Chiv. Moor, £7 3a. 9d.
66 Call paid.
10 Cillford, £6½.
5 Copper Hill, 12a. 6d.
55 Crebor, 12a. 6d.
65 Don Red. d. Rey, 22a 6
56 Drake Walls, 14a. 6d.
2 East Basset, £19.
20 East Russell, £3½.
5 East Lovell, £3½.
5 East Lovell, £3½.
5 East Lovel, £3½.
5 SPECIAL BUSINESS in Great Laxey and West Chievron, ether for cash or

SPECIAL BUSINESS in Great Laxey and West Chiverton, either for cash or time on.

Clients and parties in the country wishing to dispose of shares will find this advertisement a ready means of doing so, by forwarding me a list of their holding.

Approved references given to any part of the United Kingdom.

Bankers: London and County Bank.

MR. LELEAN, ENGLISH AND FOREIGN STOCK AND SHARRDEALER,
11, ROYAL EXCHANGE, LONDON, E.C.
Bankers: Robarts, Lubbock, and Co., Lombard-street.

UIDE TO INVESTORS.—MR. LELEAN'S STOCK, SHARE,
AND FINANCE REGISTER for February contains the seventh of a series
of articles on the whole circle of Investments, and an analysis of the accounts
of all the Joint-Stock Banks and Finance Companies; with such information as
is necessary to guide intending investors amidst the shoals and quicksands of
the multifarious species of investments that now present themselves.
Published by Mr. Baker Lelean, at his offices, 11, Royal Exchange, London,
E.C. 6d. per copy, or 5s. annually, post free.

JOHN RISLEY, 32, LOMBARD STREET, and MINING EXCHANGE, LONDON, E.C., has SPECIAL BUSINESS in East Gyn-ville, Wheal Buller, and West Caradon shares.

M R. JOHN BATTERS, STOCK AND MINING SHAREBROKER, 13, THROGMORTON STREET, LONDON, E.C.

M. THOMAS THOMPSON, MINING OFFICES,
12. OLD JEWRY CHAMBERS, LONDON, E.C.
Mr. THOMPSON'S official connection with Great Laxey having ceased, and as
te is constantly receiving the most reliable information about the mines the
vould strongly advise his friends to consult him before operating.
Mr. THOMPSON strongly recommends the immediate purchase of Westminster.

REAT LAXEY MINING COMPANY (LIMITED).

CAUTION.—The attention of the directors of this company having be called to an advertisement of Mr. Thomas Thompson in the Journal, evident published with an intention to injure the company, notice is hereby given, the Mr. THOMAS THOMPSON has been DISMISSED from his SITUATION LONDON SECRETARY of GREAT LAXEY, and the public are CAUTIONE against ACCEPTING any INFORMATION from bim relative to the affairs the company.

GEO. W. DUMBELL, Chairman of Directors lale of Man. February 5, 1867. Isle of Man, February 5, 1867.

GEORGE RICE, STOCK AND SHAREDEALER, 78, OLD BROAD STREET, LONDON, E.C. (Member of the Mining Exchange), (25 years' experience), TRANSACTS BUSINESS in MINING SHARES, at close prices:—

oney advanced on mining shares. Bankers: Bank of England. Feb. 22, 1867.

M. B. JAMES HUME, 74, OLD BROAD STREET, and MINING EXCHANGE.
TRANSACTS BUSINESS in ALL DESCRIPTIONS of MINE
SPECIAL BUSINESS in East Russell, East Lovell, Great Retallack, Great South Toigus, Kitty (St. Agres), Prince of Wales, Redmoor, East Carn Brea, Carn Brea, Cook's Kitchen, North Crofty, Bottle Hill, South Condurrow, Chontales Gold, Pestarena Gold, &c.
Many shares recommended by Mr. Hume have had a very great advance, and there are several which Mr. Hume feels assured will yet rise 29 or 300 per cent.
Mr. T. Hume's "Greular" forwarded on application.
Bankers: The London Joint Stock Bank.

WALTER TREGELLAS, 122, BISHOPSGATE STREET
WITHIN, E.C., DEALS in ALL KINDS of bons fide STOCKS and
SHARES, and BRITISH and FORRIGN MINES, either for cash or the fortnightly settlement at close prices.
Recommends the purchase of Don Pedro North del Rey, Anglo-Brazilian, East
Caradon, South Crofty, West Frances, West Tolgus, East Gunnislake, Chiverton
Moor, Camborne Vean, Emily Henrietta, and Westminster.
Bankers: Alliance Bank,

M. R. GEORGE BUDGE, No. 4, ROYAL EXCHANGE BUILDINGS, LONDON, E.C. (Established 19 years), has FOR SALE at nett prices:—50 Hollybush (£3 paid), £2% (good to buy); 50 Pendeen, 18s.; 120 North Doleoath, 8s.; 50 Redmon, 10s.; 56 Great South Tolgus, 18s. 9d.; 100 Anglo-Brazilian, 13s.; 75 Don Pedro; 5 Cern Brwyno, 22s. 6d.; 50 Goginan, 22s. 6d.; 100 Tolcarne, 3s. 6d.; 5 Minera; 80 New Treleigh, 18s. 3d.; 35 United Mexican, £2%; 150 Dale, 1s. 6d.; 100 Lingair Slate Quarry, 10s.; 10 East Russell, £3%; 3 Wheal Basset, £65%; 20 Great Retallack, 58s.; 40 Drake Walls, 15s.; 10 East Carn Brea, £3%; 3 West Chiverton, £61½; 40 Wheal Agar, 19s.; 100 Prince of Wales; 90 Bottle Hill, 5s.; 30 Sithney Metal, 10s.; 60 South Darren, 26s. 6d.; 7 Wals; 129 Hallenbeagle, 11s.; 50 Carn Camborne, 23s.; 75 So. Green Ville, 8s. 6d.; 1 30 North Treskerby; 50 West Mt. Ives, 12s.; 200 Dale, 2s.; 80 Okel Tor.

PETER WATSON'S "WEEKLY MINING CIRCULAR AND SHARE LIST—SYNOPSIS OF CORNISH AND DEVON MINES," of yesterday (Friday), Feb. 29, No. 412, Vol. IX., price 6d. each copy, forwarded on application, contains a leading article on the Share Markets, and information

pplication, contains an the following mines
North Wheal Crofty.
Great South Tolgus.
Drake Walls.
Stray Park.
Wheal Buller. South Caradon. Wheal Basset. Prosper United. West Seton.

South Caradon.
East Grenville.
Wheat "relawny.
South rances.
Dolcoath.
East Wheal Lovell.
West Drake Walls.
West Caradon.
Chiverton.

Wheal Seton.
New Wheal Seton.
North Downs.
Redmoor.
Clifford Annalgamated
Great Retailack.
Providence.
Wheal Mary Ann.
Wheal Kitty.
Brittany Silver-Lead.

West Seton.
Great North Downs.
Chiverton Moor.
Ding Dong.
Also, particulars respecting the Tin and Copper Standard.
PETER WATSON, Stock and Sharedealer, 79, Old Broad-street, London, E.C.

STOCK AND SHAREDEALER.—MR. PETER WATSON,
ENGLISH and FOREIGN STOCK, SHARE, and MINING OFFICES, 79,
OLD BROAD STREET, LONDON, E.C.
Railway, Joint-Stock Banks, Dock, Insurance, Canal, Mining, Steam-ship, &c.,
and every other description of shares bought and sold at nett prices.
TELEGRAPHIC MESSAGES to BUY or SELL Railway, Bank, Mine, and
other shares and stocks, punctually attended to, at nett prices for cash, or for
fortnightly settlements, with advice as to purchases or sales.

Twenty-two years' experience.

(Two in Cornwall and Twenty in London.)

(Two in Cornwall and Twenty in London.)

Bankers: The Alliance Bank, and the Union Bank of London.

From the close proximity of his offices to the Stock Exchange, as well as the Mining Exchange, PETER WATSON is enabled to act with promptitude on all orders entrusted to him, which at all times are carried out with punctuality, and to the best advantage of his clients.

M. R. EDWARD COOKE, STOCK AND SHAREDEALER, 76, OLD BROAD STREET, LONDON, E.C.
Has SPECIAL BUSINESS in Chontales, Prince of Wales, East Lovell, Frank Mills, South Darren, West Caradon, Prosper United, and North Crofty.
Stock Exchange securities dealt in at close market prices.
Satisfactory references given in any town in the United Kingdom.
Bankers: Alliance Bank.

M. R. C. A. POWELL, SHAREDEALER, 78, OLD BROAD Purchases or sales effected at nett prices, for prompt cash or account. Clients treated with in all cases at a fair margin on the market price.

Mr. C. A. PowELL is prepared to BUY or SELL shares in any mines currently dealt in, and devotes especial attention to those prominently before the public.

Daily Price List on application.

Bankers: Bank of England.

MR. WILLIAM SEWARD, STOCK AND SHAREDEALER
19, THROGMORTON STREET, LONDON, E.C.

. W I L L I A M W A STOCK AND SHAREDEALER, No. 29, THREADNEEDLE STREET, LONDON, E.C. WAR

BARTLETT AND CHAPMAN, STOCK AND SHAREDEALERS, 2, BUCKLERSBURY, LONDON, E.C. Business transacted in every description of stocks and shares at lowest market prices, free of commission.

All communications will receive immediate attention, either personally or by

letter.

N.R.—LOVELL CONSOLS: The 12 fm, level end west having greatly improved as will be seen from the report of the managers, which appears in another column of this day's Journal, investors who desire an interest at present prices—234, 234—should send their instructions at once. East Lovell's some time ago were seiling for £3, since which they have been marketable at £20. The lodes that pass through the L well Consols have already produced over £1,000,000. It will be the prize of 1867. e the prize of 1867.

BUYERS of any part of 500 Lovell Consols and 1000 Great South Chivery harket prices.

Bankers: London and Westminster.

REAT SOUTH CHIVERTON MINE.—BARTLETT AND CHAPMAN recommend the PURCHASE of these SHARES for PERMANENT HOLDING. From recent indications there is not the least doubt but that a good paying lode will be met with in a short time. £190 or £200 invested in this property cannot fall to prove highly remunerative. Samples of the ore from the 20 fm. level can be seen at the office, and should be inspected by all in-

Form the 20 link rete continuous tending purchasers.

Since our recommendation of two weeks ago the shares have advanced 100 per cent.; therefore, no delay should arise in purchasing at present low prices.

Further particulars, with plans of the district, can be obtained on application to Bartlett and Chapman, No. 2, Bucklersbury, London, E.C.

MR. WILLIAM MARLBOROUGH, 1, GREAT ST. HELEN'S, BISHOPSGATE STREET, LONDON, E.C. (Established 12 years), has FOR SALE the FOLLOWING SHARES, at nett prices:—
40 Chontales, £2½, 10 Chiverton, £3½, 10 East Russell, £3 11 3 52 Gt. No. Downs, £4 3 9 10 Chiverton Moor, £7¾ 10 Chive 3 W. Chiverton, £61½.
3 Wh. Mary Ann, £12½.
30 Crebor, 10s, 3d.
40 No. Dolcoath, 2s, 9d.
60 Caldbeck Fells, 13s 6d.
60 Caldbeck Fells, 13s 6d.
60 Bottle Hill, 7s.

1 West Seton, £136½.
40 Hallenbeagle, 8s, 9d.
50 Mineral Rights, 8s, 9d.
10 Gt. Wh. Vor. £126½.
10 Gt. Wh. Vor. £126½.
10 Kest Seton, £136½. 5 West Caradon, £934. 35 North Basset, 2s. 3d. 50 Rosewarne Con., 3s 6d 30 Sithney Metal, 11s 3d 10 Grambler, £536.

MR. R. EMERSON, 28, GREAT WINCHESTER STREET, LONDON, E.C., has the FOLLOWING SHARES FOR SALE at net prices:—20 Dyfngwm, £6; 15 South Callington; 50 Dale, 28, 6d; 50 East Bottle Hill, 5s.; 10 Central Snailbeach, 15s.; 10 Leeds and 8t. Aubyn, £5; 20 West-minster, £5; 5 Great Laxey, £16½. And is either a BUYER or SELLER of Rose and Chiverton United, West St. Ives, Wheal Alice, Alfred, Budnick Cons., and Ding Dong, on which information will be forwarded on application to me. My numerous clients desirous to be furnished with more detailed information than can be well supplied in my advertisement, I have resolved on issuing a Circular, containing valuable information, which will be forwarded to them at their request.

at their request.

Advice given on the sale and purchase of shares.

Eighteen years' experience in Cornwall and thirteen in London.

WEST CHIVERTON is selling at £61, and pays 13 per cent. per annum. GREAT LAKEY is selling at £17, and pays 12 per cent. per annum. GREAT WIREAL VOR is selling at £17, and pays 7 per cent. per annum. A Copper Mine, as safe or safer than the above, but seldom jobbed in, directors or the highest standing in London, is selling at £2 per share, and will pay at least 50 per cent. per annum for years. They should be bought at once; particulars solicited personally or by letter.

EAST BOTTLE HILL should be snapped up at 4s. and 6s.—EDWARD BREWIS, 8, Warnford-court, Bank, London, E.C.

M R. C H A R L E S T H O M A S, MINING AGENT, GENERAL SHAREDEALER, AND AUCTIONEER, 3, GREAT ST. HELEN'S, LONDON, E.C.

NORTH POOL MINE COMPANY.—Notice is hereby given, that the BUSINESS of this company is now, and for the future will be, CARRIED ON at No. 3, GREAT ST. HELEN'S, LONDON, E.C., where all communications should be addressed.

CHARLES THOMAS, Sec. February 22, 1867.

MR. T. E. W. THOMAS, MINING AGENT AND GENERAL MINING SHAREDEALER, UNION CHAMBERS, UNION COURT, OLD BROAD STREET, LONDON, E.C.

NORTH WHEAL CROFTY,—The investing public will do well to purchase these shares at the present time, for an early advance and permanent interest. In the parishes of Camborne and Illogan the best tin mines are quondam copper mines, that have arrived at a certain depth, such as Dolcoath, Cook's Kitchen, Theoroft, East Pool, &c. North Wheal Crofty is adjacent to these mines, the bottom levels of which have now entered the tin-bearing formation, and are already sufficiently productive of that metal to yield very good profits.

M ESSRS. LANE AND GIBBS, 2, ROYAL EXCHANGE, LONDON, E.C. (Members of the Mining Exchange), STOCK AND SHAREDEALERS, AND FINANCIAL AGENTS, transact business in all kinds of securities at closest nett prices for cash or account.

Parties of respectability can have transfers registered in their names previous to payment.

Bankers: London and County Bank.

MESSRS. WILSON, WARD, AND CO., STOCK AND
SHAREDEALERS,
16, UNION COURT, OLD BROAD STREET, LONDON, E.C.
Can recommend two good mines for investment.

MESSRS. McNEILL AND LONG, STOCK, SHARE, AND MINING DEALERS, 31, THREADNEEDLE STREET, LONDON, E.C.

MATTHEW GREENE, STOCK AND SHAREDEALER, ST. MICHAEL'S HOUSE, CORNHILL, LONDON, E.C.

R. JOHN LITTLE, STOCK AND SHARE DEALER
77, OLD BROAD STREET, LONDON, E.C. (late of Redruth).
Immediate attention to orders by telegraph or letter.
Prompt cash settlements.

JAMES D. GENN AND CO., STOCK AND SHAREDEALERS, 3, 44 SAFE INVESTMENTS FOR CAPITAL,

Paying 5 to 20 per cent, per annum upon the outlay.

SHAREHOLDERS, CAPITALISTS, TRUSTEES, and INVESTORS
seeking valuable and reliable information, and requiring safe, sound, and proflable investments, should at all times consult

SHARP'S GENERAL INVESTMENT CIRCULAR

(Post free).

It is a safe guide, giving every information to shareholders and capitalists,
GRANVILLE SHARP, STOCK & SHAREDEALER, 32, POULTRY, LONDON.

MINE SHARES WANTED TO PURCHASE.—
NORTH JANE.
WEST DRAKE WALLS.
WHEAL SETON.
Sellers must state number, and lowest price for cash, to Granville Sharp,
Stock and Sharedealer, 32, Poultry, London, E.C.

MESSRS. J. TAYLOR AND CO., MINING AGENTS AND SALE the FOLLOWING SHARES:—
50 Great East Lovell.
20 North Dolcoath.
40 New Birch Tor and
40 Great Mona.

20 Silver Brook.
30 Cashwell.
30 Cashwell.

J. TAYLOB and Co. recommend the immediate purchase of Great Mona shares, which are a decided bargain, and must soon command a good premium.

Mr. REYNOLDS is a BUYER of any number of West Wheal Kitty shares.

Mr. REYNOLDS is found for shares to his letter, on p. 117.

Telegrams promptly attended to. Established Ten Years.

Bankers: City Bank.

Published this day.

M. R. JOHN B. REYNOLDS'S FINANCIAL CIRCULAR FOR FEBRUARY AND MARCH is NOW READY.—This Circular contains important information concerning the present state of markets generally, having particular reference to Railways, Banks, and Financial Companies, with a comparison of investments in certain financial securities therein mentioned, with 5ther first-class and bona fide investments.

Coples forwarded on application to Mr. John B. Reynolds, 70 and 71, Bishopsgate-street Within, London, E.C.

W EST ST. IVES.—A SPECIAL REPORT of this property by Capt. JAMES POPE, of Wheal Basset, and dated the 13th inst., is now published. A copy of the same will be sent to all applicants on receipt of £1 is.—Apply to JOHN B. REYNOLDS, 70 and 71, Bishopsgate-street Within, London, E.C.

ROSEWARNE AND CHIVERTON UNITED.—A SPECIAL REPORT of this property, by Captain John Hancock, of Polberro Mine, dated the 8th inst., is now published. A copy of the same will be sent to all applicants on receipt of £1 is.—Apply to John B. Reynolds, 70 and 71, Bishopsgate-street Within, London, E.C.

MR. T. ROSEWARNE, 81, OLD BROAD STREET,
has BUSINESS, at close market prices, as BUYER or SELLER, in—
Frank Mills.
West Chiverton.
North Treskerby.
*Bedford United
North Crofty.
*East Gunnislake.
West Basset.
*Wheal Seton.
*Wheal Seton.
*Whoal Seton.
*Creat Yor.
*Great Yor.
*Great South Griss
*Chiverton Moor.
Wheal Buller.
*Great Yor.
*Great South Griss
*Prosper United,
*Prosper United, Devon Consols.

*Chiverton Moor.
Wheal Buller.

*Great Retallack.

*Prosper United,

*Great North Dow

Great Vor. *Great South Chiverton. Parties desirous of investing in mining should consult T. ROSEWARNE, as a great deal of money is to be made in several of the above mines, without risk.

PRINCE OF WALES.—I recommended these shares to my friends at 8s. to 10s.

per share. I now recommend them at present prices, 35s. to 37s. per share; or, in other words, I will buy 2000 shares for delivery end of August, at 39s. I say again, this is one of the greatest discoveries made since the Devon Great Consols. I should not be surprised to see the shares at a very high price before

Consols, 1 Shouts the end of the year.

Special information on shares marked *.

Money advanced on mining shares.

Bankers: Bank of England and Consolidated.

MR. JOSEPH J. REYNOLDS, JUN., ROYAL EXCHANGE AVENUE, FINCH LANE, E.C., STOCK and SHAREDEALER, TRANSACTS BUSINESS in all STOCK EXCHANGE and MISCELLANEOUS SECURITIES at closest market prices. SPECIAL BUSINESS in North Crofty, East Lovell, Bryn Gwlog, North Dolcoath, East Russell, and West St. Ives shares. BRYN GWIOG.—Sluce my remarks were written, which will be found on p. 117, I have received information of an important improvement in this mine.

MR. G. D. SANDY, STOCK AND SHAREDEALER,
No. 48, THREADNEEDLE STREET, LONDON, E.C., TRANSACTS
BUSINESS IN EVERY DESCRIPTION of STOCK EXCHANGE SECURITIES,
MINING and FINANCIAL ENTERPRISES, at close market prices.
Mr. G. D. SANDY'S Circular for the present month, is now ready, and should
be perused by all interested in mining enterprise. Gratis, post free.

Correct Daily Price List may be had on application.

Money advanced to any amount on legitimate stocks and shares.

References exchanged.

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Original Cornespondence.

PRIZES FOR COAL-CUTTING MACHINES.

SIR,—You conclude your notice of the very handsome prizes to be awarded by the South Lancashire and Cheshire Coal Owners' Asso-ciation by observing that "a better opportunity for obtaining an indisputable proof of the practical value of an invention has seldom, if ever, been offered to inventors," and I am sure that all inventors will thoroughly agree with your opinion. By far the greater number of useful inventions are lost through the inability of the inventors to obtain a fair trial for them, for the present practice of private persons (often knowing nothing of the requirements of the business for which a machine is intended, or of the elements necessary to afford a chance of success) providing the funds necessary for experiments causes the most absurd schemes to be tried with even more avidity than others. The reason of this is obvious. An inventor claiming to produce perpetual motion, or to do some other impossible thing, can, of course, show greater presentive advantage, then be who simply of course, show greater prospective advantage than he who simply confines himself to truth, and since in most instances the capitalist is totally unacquainted with the subject, all that is necessary is that the project shall be plausible, and that a great deal shall be promised. The consequence is that most of the inventions tested prove to be failures, and that the difficulty of finding funds to test inventions almost daily increases almost daily increases.

The course taken by the South Lancashire and Cheshire Coal Owners' Association is calculated to inspire inventors with the knowledge that their efforts will be appreciated and rewarded, which they have never before possessed, and I believe it would well repay those connected with other trades to follow the example thus nobly set.

applying to a committee the inventor would have the assurance i apartiality, which he could scarcely hope for if he applied to an individual, for whilst the individual would be guided in his decision by the consideration as towhether the improvement suited the plant be had at present in use, the committee would consider only whether a substantial advantage was derivable, and whether the working of the machine wouldgive a fair return for the outlay. The committee, as such, could give a favourable and reliable decision that a machine was useful without thereby committing any member to adopt it, whilst the inventor would have the advantage, upon the strength of such an evidence of utility, that many who would otherwise decline even to look at it would be induced to employ it.

I have not yet seen the conditions upon which the competition be-tween the coal-cutting machines is to be conducted, but have no doubt whatever that they will be fair and reasonable; at the same time I would observe that, even should there be anything which the inventor object to, they should recollect that it is the first competitive trial of the kind, and that any slight shortcomings could be remedied on a future occasion, provided inventors show the disposition to meet those offering the prizes; whilst if there be too much carping at the details, it is probable that both coal owners and others will be disinclined that the experiment of offering such handsome prizes should be reweated .- Birmingham AN INVENTOR.

PRIZES FOR COAL-CUTTING MACHINES.

SIR.—The liberal prizes offered by the South Lancashire and Cheshire Coalowners' Association will, no doubt, cause a large number of inventors to turn their attention to the construction of a machine which shall meet the requirements of the case : it will, therefore, be particularly interesting to these to learn what has already been done by others, in order to avoid their errors and profit by their failures. The machines hitherto introduced may be divided into three classes —the mechanical pick-axe, the circular saw, and the hydraulic chisel, describing them with sufficient accuracy. In all these cases the invention consists either in the particular combination or in the variation, in some very slight, neither of them being absolutely new. Each arrangement has its defects in the state which has hitherto been reached, but in each there are certain recommendations which should prevent them being thrown aside without due consideration. Thus the pick machines are still very far from imitating the pick, either in economy or facility for use. The circular saw is extremely inconvenient in use, and the hydraulic chisel, although making a compa-

ratively small cut into the coal, crushes all within its reach to the tinest and most useless powder.

The newefforts to produce a practically useful coal-cutting machine commenced about three years since, when Mr. Rothery, of Leeds, proposed a mechanical pick worked by a hand-machine, and this was soon after improved upon by Mr. Rothery and another by arranging that it should be worked by compressed air, and modifications were subsequently introduced by using a trunk cylinder, and then by employing a system of racks and toothed wheels for permitting the pick to be worked in various positions. The patents for these several machines were taken by Messrs. Rothery, Ridley, and Firth and Donisthorpe, of Leeds, James Russell, jun, of Falkirk, Jones, of London, and others; but so great is the resemblence of the mechines to each and others; but so great is the resemblance of the machines to each other that it is probable that had success been achieved by either of them the validity of the patents protecting it would have been successfully contested in our law courts, and it is not unlikely that the whole of them would have been declared worthless. There are many who still maintain that the hand machine is the best, although it was so soon abandoned in favour of compressed air; but no doubt it was absolutely necessary to reduce the size of the machine, and to effect this Mr. J. G. Jones introduced, in conjunction with Mr. Ridley, the trunk-engine for the ordinary high-pressure engine first employed, and soon afterwards he pate-uted the mode of turning the pick. Mr. Jones's latest machine had the trunk-cylinder also, and a very simple and ingenious method of turning the pick to any angle from horizontal to vertical and to either side, by means of a worm working into tal to vertical, and to either side, by means of a worm working into a wheel cast or fitted on the rocking shaft bearing, and thereby carrying round the trunk and the whole apparatus in the desired direction. The cylinder also is made to move longitudinally on the carried in the carried control of riage, so as to adjust the blow of the pick to any point that may be necessary. The valve is worked by a piston in its back stroke striking against a rod which passes through the back end of cylinder, and actuates a lever connected with the valve-spindle, having an elastic pad of India-rubber introduced in the lever to take off part of the concussion. But Mr. Jones's arrangements did not appear to remove the great difficulties—the necessity for making three courses for a the great difficulties—the necessity for making three courses for a single kirving, and the inconvenience of compressed air as a motor. The first of these difficulties was attacked by Messrs. Firth and Co., who proposed a series of picks, one beyond another, all striking simultaneously, so as to make a groove 3 feet or more deep at one working, whilst Messrs. Carrett and Marshall, of Leeds, attacked the other by introducing his hydraulic coal-cutter, which has several times been described in the Mining Journal. Messrs. Carrett, Marshall, and Co.'s is a travelling mortising machine, which it is claimed will do more in one minute than 700 blows from a hand-wrought pick will do more in one minute than 700 blows from a hand-wrought pick can do; it can, if necessary, be made only 2 feet high, and it has an adjustable head to touch the roof, and weighs 1 ton. It is fed with water, at 300 lbs, pressure, at the rate of 30 gallons per minute. This water pressure acts vertically on a 5-inch piston pressing against the roof, and horizontally on one about the same size, reciprocating 18 inches, and from 15 to 20 times in a minute. There is a pressure of 5000 lbs. against the roof, and the same pressure acting horizon-tally, forcing three "cheese scoops" into the coal. These cutting tools are 3 inches wide, and penetrate 4 feet, with a power equal to three horses or 18 men, and this is effected by a consumption of 50 lbs. of coal per hour to feed the boiler of the engine, which makes the water pressure, and pumps the same over and over again. The machine "kirves," attended by a man and boy, and completes the work with once going over, at the rate of 15 yards per hour, and at any angle and height from floor or rails, being suitable for either "dip" or "rise" workings, and is capable of cutting the thinnest seams. The pressure of water which actuates this apparatus can be obtained either from the stand pines in the pit, or from pumps attached to any either from the stand pipes in the pit, or from pumps attached to any enter from the stand pipes in the pit, or from pumps attached to any existing engine, or from an engine and pumps especially made for the purpose. The quantity necessary is only what is sufficient to fill the circuit of the pipes, using it over again when desirable, as in the Bramah press. Any idea of a large volume of water being necessary may, therefore, at once be dispelled. There is no leakage whatever. Although the length of stroke of each cutting tool is 18 in., the practical cutting length is 16 inches, and, consequently, the three cutters

jointly give a total effective depth of 4 feet at each stroke of the machine, finishing the work as it goes along. The mechanism employer consists of an hydraulic reciprocating engine, adjustable to any height and angle, having a self-acting valve motion. The cylinder is $4\frac{1}{2}$ in and angle, having a self-acting valve motion. The cylinder is 4½ in. diameter, and lined with brass, and the piston made tight with ordinary hydraulic leathers, easily renewable. Within the piston-rod is attached the cutter bar of steel, carrying the tools or cutters. These can be varied in number, to suit the depth to be holed at one operation. The cutting tools are of double sheer steel, easily made, and very strong, and can be removed and replaced in a few moments; they are readily sharpened on an ordinary grindstone. The cutter bar is also removeable when transporting the machine from place to place, for which purpose the main cylinder is for the time being placed longitudinal with the rails. If it can be proved that cutting under the coal is practicable. I see nothing to prevent the very general under the coal is practicable, I see nothing to prevent the very general introduction of the machine where thick seams of coal are to be worked, but for thin seams I am inclined to think hand labour cannot be economically superseded.—Newcastle, Feb. 19. W. R. G.

DOUBLE ROPES FOR COAL PIT CAGES.

SIR,—A plan for preventing the destructive descent of a coal pit cage in case of the rope breaking has occurred to me, so simple that I think it must have been tried, or that there is some objection to it

I think it must have been tried, or that there is some objection to it not known to me, and I shall be obliged if any of your readers, competent to do so, will point out such objection to its adoption.

The use of safety-catches is disliked by many mine engineers, it being alleged that they are liable to catch, without the rope breaking, when the cage travels very rapidly, as it must do when much coal has to be drawn by one shaft, and that such liability renders the so-called safety-cage a probable cause of danger when the drawing is converged though it represents the same of the safety of the saf caused sarety-cage a probable cause of danger when the drawing is very rapid, though it may answer very well when it is not. This objection would not apply to the plan I suggest, which is simply using two ropes, each when new strong enough to carry (say) seven times the expected load, instead of one able to carry (say) fourteen times the load, as is now not uncommon. I suggest that one of the ropes should be used for drawing, and that the other (which I call the safety-rope), attached by its ends to each of the pair of cages used, should new over one of Fourley's dutch pullies at the nit mouth

safety-rope), attached by its ends to each of the pair of eages used, should pass over one of Fowler's clutch-pullies, at the pit mouth. This pulley must be provided with a powerful steam-break, to come into operation whenever the speed is excessive, as it must become if the drawing-rope breaks. A pair of governor balls, with the steam-break, would immediately check excessive speed, and compel the cage, though supported by one rope only, to descend at a safe rate. The effect of either of two ropes breaking would be to throw the weight it bore upon the other, and as the breaking strength of each rope shall, when new, be far more than the total load, if ordinary care be taken to change the ropes as soon as they begin to show wear (as is now done at all well-managed pits), the risk of both the ropes breaking at once will be almost infinitely small. If we suppose the risk to be a thousand to one against one rope breaking, the risk against two ropes, watched with the same care as one, breaking risk against two ropes, watched with the same care as one, breaking risk against two ropes, watched with the same care as one, breaking together will not be half as much, but only one thousandth as much or a million to one against that almost impossible possibility.

As the cost of two ropes, each strong enough to carry (say) seven times the load, would not be greater than of one rope of twice the strength and twice as many wires, the only extra cost for so great an increase of safety would be the clutch-pulley, with its break, &c., which would be trifling compared with the diminution of risk and of anxiety, from which all mine managers would gladly be relieved.

Not A C.E.

PREMIUMS FOR INVENTIONS.

SIR,-The Association of Colliery Proprietors of South Lancashire and Cheshire have decided on offering three prizes for the best ma-chines for coal-cutting most suitable for the requirements of the trade, and most satisfactory to the judgment of a committee apointed to decide as to the relative merits of competing machines While rendering ample justice to the excellence of the motives which prompt the association to this step, I beg, nevertheless, to express my opinion that the tender of rewards for inventions, since such rewards can scarcely be otherwise than dependent on the personal opinions of one, two, or, at best, a few individuals, is neither a suitable nor a satisfactory mode of dealing with inventions. Assuredly it is not a mode calculated to elevate the industrial character or promote the industrial progress of the country. And the reasons which induce such a conclusion are these—First, the judgment of a few individuals, however high their reputation or eminent their abilities, is really no fair test of the actual practical value of an invention. The oftentold tale of the reception of Stephenson's railway proposal before a Committee of the House of Commons may be hackneyed, but it never grows stale, for fresh instances arise from time to time which seem to require an iteration of the story. Yes, a committee of what is—or ought to be—the representation of the collective wisdom of the counought to be—the representation of the collective wisdom of the country virulently ridiculed the modest suggestion of Stephenson as to the possible speed of steam-engines, a speed which such engines actually attained, and, indeed, surpassed, before the lapse of many years from the epoch of the sapient conclusions of the Committee. The Admiralty board of 1823 peremptorily declined to entertain Ronald's proposal for the adoption of electric telegraphs, assuring him that telegraphs were of very little use, and that they never intended to adopt any telegraph but the semaphore. There is aglaring instance, possibly very familiar to the engineering world, of a great engineer, unhappily now no more, who was a warm advocate of a railway system that thus turned out a lamentable fiasco. There are many things. tem that has turned out a lamentable fiasco. There are many things, not, indeed, in inventive matters alone, but in other directions also that seem so fair in promise and so frail in result. Adoption and practical success appear to be the test of merit in invention. The use of the Prussian needle-gun in one campaign, and the public verdict as to its performances, is really a far more solid warranty as to its advantage than would be a judgmentarising from half-a-dozen trials at Shoeburyness before three or four "competent" examiners. In fact, time is the world's test of merit. It is a test that men cannot discount by any sort of previous plan or premature pressure. A judge discount by any sort of previous plan or premature pressure. A judge discount by any sort of previous plan or premature pressure. A judge may answer for the merit of an invention, but who is to answer for the merit of the judge? Vous repondez de lui, mais qui repond de rous. How far does ultimate public opinion coincide with the individual decision of "judges" in architectural competitions, for instance? Here, where some sort of previous decision, if not competitions is the competition of the results of t tition, is absolutely necessary before proceeding to put intention into practice, it is, I think, not always certain that public feeling ratifies individual judgment.

Many an excellent contrivance, destined to a great future, may ever have failed at its outset, by reason of the want or defect of some tri-fling practical details, for which practice alone would indicate a re-medy. Nor is it particularly flattering to inventors to be treated like schoolboys, and to become the recipients of doles of merit of this character, acquired in this manner. The advantage to the three fortunate competitors may be, as a pecuniary benefit, very desirable; but the disadvantages to the unfortunate competitors will be almost disastrous. A condemnation of their machines would inflict a posi-tive injury, though such condemnation might actually leave the intive injury, though such condemnation might actually leave the intrinsic merits unimpaired; because, though no doubt the decision will be impartial and morally irreproachable, yet if use and public ultimate adoption be, as I believe, and as I desire to show, the fair tests of merit, the disapproval by a committee of inspection will, while leaving the real value of an invention unassailed, injure its prestige and its marketable worth, besides inflicting great discouragement on the inventor. Many circumstances may occur to render one trial or two trials inconclusive, or to impair their value from special temporary or incidental causes beyond the control of the examining committee, and thus to modify results that long use alone can safely attain. There are he no question whetever as to the honour and integrity of and thus to modify results that long use alone and sately are the There can be no question whatever as to the honour and integrity of such committee as may be chosen; but my objections, which are grave and deliberate, arise from my conviction of the impolicy of a proposal which subjects the schemes of inventors to a species of trial which is inappropriate and inadequate. Premiums of this sort may be, no doubt, able to the recipients; but if they be designed to encourage, as the advertisement announces, a development of the art of coal-cutting by machinery, the method is not a happy one. It is to be hoped, in any case, that the committee will not exercise the sort of premature judgment in vogue at the Royal Academy, for instance, and exclude from the competition such works or neachinery as they may consider.

unlikely to succeed on trial. If there is to be a public test in the colliery, the trial should be open to all comers; otherwise the whole proceeding would be a farce, and the practical decision would be actually in the committee, and not in the colliery.

H. Fleet-street, Feb. 21.

MECHANICAL VENTILATION.

SIR,—In the letter of your correspondent, "H. E.," which appears in last week's Journal on this subject, there are two or three errors, which I may be pardoned in pointing out. He divides the system of mechanical ventilators into two classes—" suction pumps " and "centrifugal pumps;" and amongst the latter includes Lemielle's ventilator—this is the error. Lemielle's ventilator does not depend at all woon continued. tor—this is the error. Lemielle's ventilator does not depend at all upon centrifugal force for its action, but is purely and simply a "suction pump." Your correspondent further states that the "essential feature in a good ventilating machine is a long, slow stroke, such as Mr. Nixon's especially admits of." With the former part of this sentence I quite agree, but I am not so certain that Mr. Nixon's machine especially admits of this, more particularly if "H. E." means a "long, slow stroke" to be one of 30 feet, which he assumes immediately after in his illustration. A 30-feet stroke, I think, would be most difficult to attain. Lemielle's machine, I contend, does away with any difficulty in this respect, inasmuch as it is one continuous stroke so long as the machine revolves; and, morever, has this adstroke so long as the machine revolves; and, morever, has this advantage, of dispensing with valves entirely.

With "H. E.'s" remarks as to liability to injury to mechanical ventilators in case of explosion, I also, to a certain extent, agree; but

ventilators in case of explosion, I also, to a certain extent, agree; but is not the first object aimed at in improved ventilation to do away with explosion altogether? However, admitting the possibility of explosion with the very best ventilator, I do not think "H. E." entirely does away with the objection to Nixon's machine in common with others, because an explosion of force sufficient to "blow away the valves" would, most probably, blow away the entire machine. The only instance in my knowledge of a considerable explosion occurring where machinery (for ventilation) was in use was at the Pelton Fell Colliery, county Durham. In this case the upcast shaft was solely used as an air-way. A fan on Mr. Guibal's system was placed 20 or 30 yards to one side of the shaft, and a brick arch led from the shaft to the fan, the arch being constructed on the surface. At the top of the shaft a doorway (right over the centre of the shaft) was made for descending for repairs, &c. This doorway was carefully made for descending for repairs, &c. This doorway was carefully fitted with doors; these doors were blown away, but the fan was not

injured in the slightest degree.

One other error appears in "H. E.'s" letter, and naturally follows his placing Lemielle's ventilator in the class of centrifugal machines, and that is, "all ventilation must pass through the fan;" the ventilation does not pass "through" Lemielle's machine, it merely passes by the side of what the inventor, I think, terms the "central body." and therefore an explosion wight nessity reserved.

ventilation does not pass "through" Lemielle's machine, it merely passes by the side of what the inventor, I think, terms the "central body;" and, therefore, an explosion might possibly pass it, and only "blow away" one of the "wings." I much fear, however, that any explosion which would injure it at all would, as in the case of all the machines, Nixon's included, render it entirely useless.

One more remark and I am done. "H. E." writes of "250,000 or even 500,000 cubic feet of air per minute" as being of comparatively easy attainment, "the quantity of air varying with the power employed." No doubt quantity does vary according to power to a certain extent; but I fear "H. E." does not take into scrious account other matters which to a very large degree affect the question of quantity. I do not know "H. E.'s" attainments in the science of ventilajion, but his nonchalant manner of speaking of 500,000 feet per minute makes me fear he has not given the whole subject the most careful consideration. I have not time to pursue this further, but will content myself with propounding the following for "H. E.'s" study, and reply, if he choses. Suppose a mine with upcast and downeast shafts of 100 fathoms (I mention this shallow depth, because I think it is sufficiently proved that at great depths furnace ventilation is more economical than machine ventilation) to be blessed with 100,000 cubic feet of air per minute by furnace ventilation under the following circumstances—Temperature of upcast, 350°; temperature of downcast, 60°; areas of both shafts, 78 square feet; barometer 30 in.; what power would be exerted in the production of this quantity of air? and what power would be required under the same conditions of nirvays, &c. toproduce by machine ventilation of the owner of the downcast firm and what power would be required under the same conditions of nirvays, &c. toproduce hymachine ventilation of the same conditions of nirvays, &c. toproduce the feat of the production of this quantity of air? ture of downcast, 60°; areas of both shafts, 78 square feet; barometer 30 in.; what power would be exerted in the production of this quantity of air? and what power would be required under the same conditions of airways, &c., to produce by machine ventilation 500,000 cubic feet per minute, the power in nominal horse power? By working this out, he will find that the power required for 500,000 cubic feet under these circumstances (which are not altogether suppositious) is something much beyond, I imagine, what he has ever thought of for such a work.—Feb. 18.

COST-BOOK SYSTEM-RELINQUISHMENT OF SHARES.

SIR,-Is it not strange that Mr. Registrar Pepys should have been troubled with the case reported in the Mining Journal of Feb. 9 under this head, it having been settled law for years "that a shareholder before relinquishing must pay or tender to the purser his proportion before relinquishing must pay or tender to the purser his proportion of the debts and liabilities on the mine up to the time of such relinquishment, when a valuation of the machinery and assets (including all ores broken) must be made, as for an abandoned mine, and to his proportion of such ascertained value the relinquisher becomes entitled at the end of a year." This being so, it is evidently the duty of the purser to charge up every liability to the day of meeting, as was the case in days gone by, before sharebroking and rigging the market became general, and it is equally the duty of every committee or board of directors to see that this is done. What is the case in very many mines now? The costs are left two or even four months in arrear, whilst credit is taken for every ounce of ore broken. British mines must be better managed, the dues or royalties decreased, and the terms lengthened, or continental mines will outstrip the British. In Bohemia, Hungary, and Austria proper the dues or royalties tish. In Bohemia, Hungary, and Austria proper the dues or royalties on coal, iron, lead, copper, and tin are 5 per cent. on the profits rea-lised, and the grants are in perpetuity. In Prussia and most parts of Germany there are no dues or royalties on coal or iron, and only 24 per cent. on metallic minerals, the grants being also in perpetuity.
What a contrast to the heavy premium demanded by the Duchy of
Cornwall and a Duke of Bedford for new leases of Phonix and Great Devon Consols respectively, from the defenceless shareholders whose capital alone had created a property of which they were thus called on to repurchase a renewed lease, although in the former instance the capital sunk had not been repaid. I hope shortly to call the attention of your readers to the losses of the public and the gains of the lords in mines.

IS CORNISH MINING A LEGITIMATE SPECULATION?

SIR.—Being one of the oldest miners from Cornwall, and my prac-SIR,—Being one of the oldest miners from Cornwall, and my practical experience being generally known through all the wide circulation of your valuable Journal, your inserting the following remarks will oblige:—First, it is well known to the public that through life I haveopposed all fraudulent mine reports and prospectuses, from whatever source they may come. It is the great drawback on mining, for which the child will rue that is unborn. It is well known to the general public that false and concocted mine reports are issued, and those who issue them know at the time they are based on falsehood. The sole object of these promoters is to get a large sum of money subscribed, when they make an unnecessary show of at the time they are based on fasehood. The sole object of these promoters is to get a large sum of money subscribed, when they make an unnecessary show of building on the surface, repair a few old shafts, and at times erect an engine; when it oozes out that the money collected is all spent, and when the duped shareholders make a move to know what has become of it they then discover that some thousands are charged for valuable work done on the mine. I ask who did this work? I say a former company, who worked the mine and spent their thousands, or I may say tens of thousands, when seeing there was not a chance of it ever repaying them, abandon the mine as worthless. After a few years the mine is again taken up by a few schemers, not for its intrinsic value, but to make a large draw on the public, when they, for these old shafts and levels as found in this abandoned mine, charged and obtained sums varying from 10,000t. to 20,000t. for, I say, nothing done by them. Their first care is to get a large portion of this money into their hands, to pay half or more in cash, and the remainder they kindly offer to take in free shares: and at the very time they are calling 2t. per share from the duped subscribers they are selling their own free shares to the per share from the duped subscribers they are selling their own free shares they have been got up of late years through this system of robbery, where they pretend to have spent some 10,000t. to 20,000t. on the mine, and they never even drew the water out. It may be asked, who are these men? I say men living on their wits, who would do or say what will answer their purpose best. Their first object is to draw in two or three narrow-uninded miners, when under the offer of a situation and a bribe of a few pounds, they get up flash reports, and get these mon to sign them. This saddles them with what is stated in the reports, and takes the onus from their own back. They seldom let those miners in as co-partners; but, singular as it may appear, these men never prosper, they ar

be found about the streets of London with not ed. in their pocket, and are ever begging of those they know for the loan of a few shillings, or even a glass of beer. I contend this system is not legitimated in a long the property of the loan of a few shillings, or even a glass of beer. I contend this system is not legitimated in a long to the loan of a long the loan of a long the loan of the loan of a long the loan of the loan of a long the loan of these schematics of the loan of the loan of these schematics of the loan of the loan of these schematics of loan of the loan of lo

as to their expectation from increase of water, but this theory does not appear to hold good here, nor in hundreds of other places I could mention. Query, is It all to come?

For a guide to the tourist and those concerned, who wish to survey this district, I suggest that from London they go to Tavistock, then take a conveyance to Trake Walls, which is \$45 miles on by the readside, to Callington, then find the water-course, and follow it west through West Drake Walls sett to Buddie's addt, which is about \$50 miles outh of Hingston Down Consols, and, I think, from about \$20 to 300 yards east of the Prince of Walles' engine. From this great rise of water the district is a ticklish one to mine in. It may be said that Hingston Down Consols is not watery. I admit it. That mine is in granite, which is seldom highly charged with water. It is the over-lapping of slate or killas rock round the granite that is found to be the water channel. It may be also stated that Hingston Down ore is in what is called the unmineralised ground; I say not; it is in granite, a change of rock from killas to granite, which appears to have no connection with the overflow of water in Buddie's adit. I call all the high ridge of Hingston Down promising ground to mine in, as the granite prover the strongh, or nearly through, most of it. I have no desire to say a word in disparagement of these mines, lonly given ye candid opinion. Turning again well if crushers had been put up in an early day in the place of stamps, which howed it was badly managed, and I am not aware it ever paid any party their butlay. I think I should have no difficulty in pointing out that this mine has mink 70,000,00, of the public's money within the last seventy years. As to West Drake Walls, I am not inclined to differ from the opinion faid down by the old and experienced miners sixty years since.

[7] One continued in next week's Mining Journal.]

[8] PROSPECTS in The SCORRIER and CHIVERTON DISTRICTS.

PROSPECTS IN THE SCORRIER AND CHIVERTON DISTRICTS. GREAT NORTH DOWNS AND NORTH CHIVERTON.

SIR,—It affords me pleasure again to refer to this subject, seeing that what I have long since said about the former mine is now being realised. I always considered that this once famously rich mine would calised. Inlways considered that this once famously rich mine would prove productive on sinking through the transition stone into the deeper series of copper-bearing rock. That this is being demonstrated may be seen from the fact that in the last 5 fms. sinking in Sleggan's haft just 500L worth of ore has been sampled, and the lede in the present deepest point reached presents a better appearance than ever yet seen in the mine, leaving to doubt on the mind of the most sceptical of its being the commencement of one of those great deposits for which Cornwall is famous. If will be seen from the agent's report, presented at the meeting just held, that there is a continuation of ore ground in the 70 fathom level for about 150 fms. long; this coincides with what I wrote about it some year and a half since, my opinion then being that there would be found on development a continuous run of ore ground from Eggan's to the cross-course, which is a distance of some 200 fms. or more. At the meeting a call of 15s. per share was made, to wipe off all liabilities, and put he mine on a fair and proper footing, which I deem to be as wise a step as could possibly have been taken. The mine will now go on increasing in returns, and will soon take its postition in the Dividend List, when probably many who have now the chance to purchase the shares at a mere nominal price will be glad to pinto the market and give a high price for them.

I am glad to hear that NORTH CHIVERTON has been purchased by an influental party, with a view thoroughly to develope its resources. I will simply say, creply to several of the late holders asking for advice on the matter, that the at thing I can recommend them to do is to "stick by the ship," for the time is of far distant when they will be doubly repaid for their outlay, patience, and everance. I hold the same opinion of this ground now as ever I did, be-eing it to be, as a lead mine, second to none in the county.

Cronwall, Feb. 20.

Cronwall, Feb. 20.

Cronwall, Feb. 20.

**Cronwall, Fe

PROSPECTS IN ST. BREOCK AND ST. ISSEY DISTRICTS.

Sh.,—Having a knowledge of mining in its different stages, I beg to forward
fev remarks about the lodes in different setts, more especially that mineral
ractof land known as Penhale and Carthew estates, in the parish of St. Breock
and it. Issey, where there have been so many thousands of pounds worth of
ineni sold, both lead and copper. I may safely venture to say you may trace
ornwall through and not find so much mineral raised in any one mine, with so
title gound excavated, as there was at WHRAL PENHALE, where they sold over
6004, vorth of lead and copper. It has been abandoned for some years; it was
ot though want of mineral it is topped, as there are now good lodes open in
if,—bit levels, but it was owing to had machinery. I am happy to hear it is
obtained by worked again by a spirited company. If so, it is my firm opinion
tat, with a small capital and economical management, it will remunerate the
diveturers tenfold for their outlay. The ground is very easy to work, the
stratebeing composed of a soft killas. Leaving theold mine, and going further
the same estate, but not the same sett, I found two new lodes recently
farmet in breaking up his land. They have a beautiful gossan, and on examining the stones I found spoke copper—as pretty looking a lode as ever I saw
up to strace. I find in a shot of copper—as pretty looking a lode as ever I saw
up to strace. I find no shot of copper—as pretty looking a lode as ever I saw
up to strace. I find no shot of copper—so good. dues for years, but are now
handord. I have ascertained from some of the miners who worked there last,
that in he 130 fm. level going north it was so hot they were obliged to work
almost niked. It is evident, to all that have worked in hot mines, that there
work as in will reap their reward. Nothing offers better prospects of sucthan he above miners. A good mine beats every other enterprise, but great
than he above miners. A good mine beats every other enterprise, but great
than he above miner PROSPECTS IN ST. BREOCK AND ST. ISSEY DISTRICTS.

pression follow as a matter of course. No doubt it would have been wise to suspend operations for a time in many mines, rather than to go on making heavy and constant calls on the shareholders, causing heavy sacrifices to be made by many individuals, compelling them to realise at any price, to meet the heavy calls to carry on undertakings never likely to pay or remunerate the investors at such ruinous prices for the produce. It is now to be hoped, however, that a change is about to takeplace, and that trade will improve. How was it possible that trade could prosper with money at 10 per cent. and produce of metals so greatly depressed? Money is just like manure in a farm yard, of no service unless spread over the land.

An Adventurer in Mines.

HOW TO TURN THE PRESENT CRISIS TO THE ADVANTAGE OF MINING.

ADVANTAGE OF MINING.

SIR.—Through press of ouslness I must be brief this week. In passing I will remark on your correspondent, "Miner's," grievance, by simply saying that what he justity complains of is for the common good, and that the purser who snubbed him, because he wished to look into matters—he only holding a few shares—forget his place and his dairy, and that he sits as a servant to the share holders, whether they hold one share or half the mine. The Chairman, also, who neglects to rebuke a scretary under such circumstances does not appreciate his dairy. This sort of thing is only one more evil result of the baneful system which has arisen or leaving everything to officials. They have naturally grown bumptious, and so unused to be interfered with, that they deem independent action on a shareholder's part quite a personal affront. The sooner this is put down the better. In order to refresh the memories of those who care to follow me, and to keep up the connection between my heading and my matter, I will here recapitulate that my object is to point out that the late crisis is to show us that, if British mining is to live, active reforms must set in; and I am trying to show what the tendency of the reforms should be. The present unlucky drop in tin shows the necessity more strongly than ever.

DEVON WHEAL LOPES MINING COMPANY.

DEVON WHEAL LOPES MINING COMPANY.

Sir,—A few days since Messrs. C. and C. Thomas, of Manchester, favoured me with a copy of their Mining Circular, in which I observed, in the "Notices to Correspondents," in reply to some enquirer, the statement that the above company was "foisted on the public by a most unscrupulous firm," called Harvey and Co., and is a worthless scheme. I do not object to the strongest terms of censure that Messrs. C. Thomas can apply to the conduct of that most "unscrupulous firm," which, however, recent events have shown to con-ist of one person, of whose character and proceedings few had better opportunities of judging than Capt. C. Thomas, he having occupied the vice-chair at the "Wadge presentation banquet," and reviewed in complimentary terms the great services rendered to mining enterprises by that firm; but I do strongly object to the statement that the Lopes is a worthless scheme. If Messrs, C. Thomas speak thus of the Lopes sett will say had I ton to been for the reckless misappropriation of the Lopes sett will say had I ton to been for the reckless misappropriation of the capital these mines would now be in a position to defy detraction, and would command a splendid Jona fide premium on the shares. I defy Messrs. C. Thomas to quote an opinion of any competent and respectable authority adverse to the character of the Lopes sett.

For the information of Messrs. C. Thomas, I beg to say that the board of directors is now constituted of gentlemen of position and character, who are sendiously devoting their money, time, and talents without any compensation) to the vigorous development of this so-called "worthless scheme." Great, indeed, are their difficulties, but it is gratifying to the shareholders to know that they are able to cope with them; and should the proprietors act with spirit and unanimity in oc-operation with our present board, a few months will suffice effectually to refute the depreciatory statement put forward by Messrs. C. and C. Thomas, of Manchester.

A DUBLIN SHAREHO

EAST HOLYFORD MINING COMPANY (LIMITED).

EAST HOLYFORD MINING COMPANY (LIMITED).

SIR,—In the Journal of Feb. 9, a letter from Mr. George Henwood is inserted, in the first part of which, as one of the agents of Mr. Erwin Harvey Wadge, he reiterates the favourable opinion previously given, that this "project" must become a "great success." He then goes on to state, "the earnest of which would seem to be dawning on its next neighbour, the Old Holyford Mine, which you say is raising considerable quantities of copper ore, and will make profit of more than 1800t, for the last six months." In the P.S. attached to that letter, "be hopes his remarks will be considered at the meeting of the proprietors of the East Holyford Mine, to be held on the 13th instant."

What passed at that meeting is known only to the privileged few—the 16 or 18 out of the 118 proprietors who attended it; but no doubt such flattering assertions, made by one so eminent in the profession as a mining engineer, would be deemed highly satisfactory, and entitled to credit. Equally so would the fact of "profits of more than 1800t, for the last six months made by the Old Holyford," be to us the shareholders. I know of no such profits made, nor of any ore being sent from the mine to market for many months past. I should be glad if he would, in reply to this, say on what authority he made the statement, and also say when and to where the ores were sent that realised such a profit. It would be well for some of the East Holyhead shareholders to club together, and have their mining sett inspected and reported on by some distincrested mining engineer, who might or might not be abis to prove to them how the Old Holyford north and south lodes, from which came all the ores ever yet ralsed there, can be made to dip into the East Holyford sett, the workings in which are half a mile due east from those north and south lodes in the Old Holyford sett.

A Shareholder in the Old Holyford sett.

ILLUSORY SILVER-LEAD MINING IN WALES.

ILLUSORY SILVER-LEAD MINING IN WALES.

SIR,—There is a letter in last week's Journal, signed by Mr. N. M. Maxwell, which is said to relate to the Vale of Rheldol Silver-Lead Mines, and to me. In accepting this as fact, I suppose I may be allowed to congratulate myself that during a connection of over 30 years with mining matters it is the first time I have been called on to answer a public attack. I will give your correspondent all the credit he deserves for the discovery that the surrounding rich mines, Goginan, Lisburne, Cwmystwith, and Frongoch, were all placed diametrically opposite to their real positions; this arose from the fact that a surveyor's dial was used, and not a mariner's compass, but probably Mr. Maxwell may not understand the difference. It is, then, a fact established by your correspondent, that the Vale of Rheldol Mine is surrounded by the rich mines of Goginan on the north, Lisburne on the south, Frongoch on the south, and Cwmystwith on the south-east. Now, I do most earnestly thank him for so fully establishing our position in the very centre of the richest and best paying mines in the kingdom. All mining is, beyond doubt, at first speculative; but the Vale of Rheldol has passed out of that category, for aircady four metallic-bearing lodes (the Circular says two), varying from 8 ft. to 14 ft., have been discovered and opened on, baving backs from 8 fms. to 160 fms. (the Circular, erring on the modest side, says 30 fms.) From one of these backs a stone of very rich ore was recently displaced by the late heavy rains, over a ton weight. Ore in a very crade, undressed state has been sold at from 20t. 503. per ton. The ore is the richest in the district, carrying 49 ozs. of silver to the ton, whilst none of the ore from the other mines yields more than 40 ozs. of silver to the ton.

When Devon Great Consols was discovered, I believe many of the pitches were let at 6d. in it, the previous rate prevailing in the district not controlling them; and it will be obvious that lodes so rich in silver as

GREAT NORTH LAXEY MINING COMPANY (LIMITED). RECENT MEETING OF SOME MANY SHAREHOLDERS.

SIR,—Adverting to your exposure of the pretensions and false assertions made at the meeting above referred to, I now beg to add the following as additional proofs of what you have justly called "the recklessness with which their assertions were made."

With regard to the management of this property, I am content to rest satisfied with the commendatory opinions of such authorities as those who have so fully and frankly approved of what has been done; and must certainly decline to be taught what I ought to do by men

the same estate, but not the same sett, I found two new foldes recently gest up, but not enough to show their bearings. They were discovered by the great of the preference of

specting the work done in the mine to be wholly fulse, and I now give the correct measurements of our underground operations—both as measured and charged for-in proof of my assertion:-

COPY OF AFFIDAVIT SWORN AT DOUGLAS, BY JOHN HORSLEY, SUPERINTENDENT AT GREAT NORTH LAXEY MINE.

SUPERINTENDENT AT GREAT NORTH LAXEY MINE.

"I, John Horsley, of the parish of Mangholt, being sworn on the Holy Evangelists, maketh oath, and saith, —I am foreman of the Great North Laxey Mining Gompany (Limited), acting under the direction of Captain Richard Rowe, and have been so since the formation of the present company. I have seen a statement, stated to be made by Richard Sherwood, at a meeting of some shareholders beld in Douglas, upon the 5th day day of February instant, respecting the work done by the present company since it commenced operations, representing the total result of the expenditure of capital to consist in 15 fathoms sinking and 98 fathoms driving. That such statement is false and erroneous, and in order to remedy, as far as possible, any injury occassioned thereby, I annex a statement of the work done by the present company, according to actual measurement made by myself, the accuracy of which can befully tested:—Engine-shaft, 20 fms. 2 ft. 6 in.; add it evels, 6 fms. 5 ft.; 60 fm. ievel, 65 fms. 3 ft. 6 in.; 72 fm. level, 56 fms. 4 ft.; 82 fm. level, 9 fms. 5 ft. 6 in.; 60 and 72 fm. levels—stopes, 61 fms. 2 ft. 6 in.; sumps, 32 fms. 5 ft. 6 in.; 60 and 72 fm. levels—stopes, 61 fms. 2 ft. 6 in.; sumps, 32 fms. 5 ft. 6 in.; 60 and 72 fm. levels—stopes, 61 fms. 2 ft. 6 in.; and 22 fms. 5 ft. 6 in.; 60 fm. evel, 65 fms. 4 ft. 6 in. "Witness my name this 20th day of February, 1867, (Signed) "Saml. Harris, High Bailiff, Douglas."

GREAT NORTH LAXEY MINING COMPANY (LIMITED).

The following circular has been issued to the shareholders:-

The following circular has been issued to the shareholders:—
DEAR SIR.—With reference to the unfounded and unjustifiable statements made at a meeting of a few persons who have become shareholders in this company since the last general meeting. I now hand you herewith copy of an article which appeared in the Mining Journal of the 16th Inst., and also copies of letters addressed by Capt. Rowe to the Isle of Man papers.

I will briefly draw your attention to the following points:—
1.—The careful manner in which these parties excluded from their meeting everyone who could explain and reply to their statements, and the evident anxiety which they have shown to publish and circulate them extensively before their falseness could be exposed. They even declined to state their grounds of complaint when asked for them, and thus deliberately avoided the truth.

2.—The position of the two mining captains they selected to "support their case."
3.—Their assertion that the shaft had been sunk by the present company only 15 fathoms (which they said was only at the rate of 4 ft., per month, and that it ought to have been 10 ft. te 12 ft. per month), and that only 98 fms. had been driven in the levels, which it was stated was all the work done for the amount expended, while the real facts are.

The shaft has been sunk, and at the rate of 1½ fm. (9 ft.) per month 20 2 6 Winzes (small shafts from one level to another, necessary for ventilation and to prove the ground, and cut it open for stoping) have been sunk

Levels have been driven 194 0 0 Ground has been stoped 61 2 6 6 Ground has been stoped 61 2 6 6 Ground has been stoped 61 2 6 Fms.

The following letters have been addressed by Capt. Rowe to the

GREAT NORTH LAXEY MINING COMPANY (LIMITED).

GREAT NORTH LAXEY MINING COMPANY (LIMITED).

[To the Editor of the Manx Sun.]

Sir.—Adverting to a short notice given in your last impression of a meeting of some of the Manx shareholders in the Great North Laxey Mining Company (Limited), I have to request that you will allow me to state, through the same medium, that the meeting referred to was irregular, and without any authority; and that, as some of our principal insular shareholders had no notice of its being a out to be held, it may fairly be inferred that it was got up designedly for party purposes. I assert the proceedings which then took place to have been based on assumed facts which were wholly untrue, and from which unjust inferences and ungenerous personslities were deduced. I further look to the carrying out of the resolutions teen passed as affording me the desired opportunity of supplying at the proper time, and to the proper authorities, proofs of the correctness of our entire proceedings, which will contradict false assertions. Laxey, Feb. 14.

R. ROWE.

GREAT NORTH LAXEY MINING COMPANY (LIMITED). [To the Editor of the Isle of Man Times.]

tions with such proofs as, I have no doubt, will explain to all candidly disposed the either ignorantly or wilfully created mysteries advanced at that meeting. Laxey, Feb. 14.

GREAT NORTH LAXEY MINING COMPANY.

GREAT NORTH LAXEY MINING COMPANY.

SIR,—In reply to the statement which appeared in last week's Journal, to the effect that I was "dismissed from the underground agency of the Great Laxey Mine," I shall be glad if the writer will inform the public when, by whom, and under what circumstances I was "dismissed." Two months before I left the mines I had tendered my resignation, and at the time to which the writer probably refers I had written the directors, positively declining to have any further connection with the company, after which I received that which is now pleased to be termed my dismissal. I replied to the directors that I did not receive their communication as a dismissal, but simply as an acknowledgment of my resignation, which had been previously tendered. As to the progress made at the Great North Laxey Mine during the past two years, all I can say is that if the directors and shareholders are satisfied I cannot object. I was asked for my opinion, and I gave it as becomes my profession.

Shreusbury, Feb. 20.

Meetings of Mining Companies.

GENERAL MINING ASSOCIATION.

A special general meeting of shareholders was held at the offices

GENERAL MINING ASSOCIATION.

A special general meeting of shareholders was held at the offices of the company, Old Broad-street, on Tuesday,

Mr. A. C. BRIDGE in the chair.

Mr. FOORD (the secretary) read the notice convening the meeting. The circular which had been previously circulated among the shareholders stated that the object of convening the present meeting was to consider, and if deemed expedient, to take measures for increasing the capital of the association to the extent of 50,000d. by the issue of 2500 new shares of 200, each, to be offered to the proprietors of the existing 25,000 shares, at the price of 181, per share in the proportion (as near as may be) of one new for every ten old shares. The new shares will, when the price of them shall have been paid, be of equal value with the present shares, and will participate in that part of the dividend in respect of the year ended Dec. 31, 1866, which will fall payable in the month of July, 1867, and will thenceforth bear dividend in common with the existing shares. Inasmuch as the company does not possess any reserve fund as a working capital, the directors have hitherto provided, out of the nett profits of the concern, and from no other source, for all expenditure rendered necessary by the expansion of the operations of the company—by the increased means of meeting the growing demand for the coal, by the sinking of new pits, by the providing of steam-engines, steam vessels, and additional workmen's houses, and by the extension of railways at the colleries. With the view of providing an ample stock of coal to meet the demand at the three principal collieries, on the opening of the trade in the spring of each year, and of keeping the men employed, it has been the practice to raise large stocks of coal during the winter months, and that a considerable amount of funds has thus been each year unavoidably absorbed. These funds have been liberally provided on loan by our bankers in Nova Scotia, and their advances have been from time to time repaid, as the s

The CHAIRMAN said the proprietors had already been informed by ircular the object of the present meeting. From the first payment dividends, 21 years since, there had never been a working capital, and the perations of the company had to be carried on by loan from the bankers, which e need hardly say was a very heavy expense. During the 21 years there had been said to dividend as least two the said divisions and the said of the control of the said of the control of the said of the sa

The CHAIRMAN said the proprietors had already been informed by circular the object of the present meeting. From the first payment of dividends, 21 years since, there had never been a working capital, and the operations of the company had to be carried on by loan from the bankers, which he need hardly say was a very heavy expense. During the 21 years there had been paid in dividends no less than 55x,0007. and during that period the stock on the mine had been increased to the extent of 15x,0007. Although it might be said money could always be borrowed from the bankers, yet he thought the share-holders would agree with him that the directors ought not to be so placed as to be Hable to be drawn upon at any moment by the bank. As to the works at the collectes, he might mention that there had been just opened new pits at the Albion Colliery, which had incurred an expenditure of nearly 60006.; they were also working down on the main seam, and raising from the "dip," which was an expensive operation. A new pit was likewise being sunk, by means of which a very large coal field would be opened out, that shareholders were aware no doubt was a costly operation; two new engines had been ordered, one for pumping and the other for winding, which would cost 4524; and the directors sent out a locomotive and other machinery. Those things were not immediately productive, but would be of considerable advantage for many years to come, and, therefore, it was obvious their cost should not be taken from the current revenue. At the Sydney Mines a new pit was required—indeed, 1500, had already been expended, upon it, but that was an expense which should come out of capital. These were the grounds upon which the directors urred the absolute necessity of raising additional capital, while the only mode in which it could be raised was in the manner proposed. Chiefs the only mode in which it could be raised was in the manner proposed. Chiefs, indeed, the pits were opened the collieries must soon come to an end. He then proposed—

"That it is

ENGLISH AND AUSTRALIAN COPPER COMPANY (LIMITED).

ENGLISH AND AUSTRALIAN COPPER COMPANY (LIMITED),
The annual general meeting of shareholders was held at the London
Tavern, on Thursday.—Mr. R. A. ROUTH in the chair.
Mr. C. B. ROGERS (the secretary) read the notice convening the
meeting. The directors' report stated that the gross quantity of ore
delivered to the works by the South Australian Mining Association
from July 1, 1865, to June 30, 1866, has been 6936 tons against 6824 tons during
the corresponding period of the previous year; the gross quantity of ore and reguius received from other mines was 3310 tons as against 3414 tons; the quantity of ore smelted at the Burra Smelting-works was 3446 tons as against 321tons; the quantity of ore and regulus smelted at the Port Adelaide Smeltingworks was 8637 tons as against 5599 tons; the quantity of rough and refined
copper made at the Burra Smelting-works was 762 and 110 tons, as against 923
and 81 tons; the quantity of copper made at both works
was 2243 tons, as against 2377 tons; the total quantity of copper shipped from South
Australia during the year ending June 30 last was 1409 tons, as against 1230
tons. At the Burra Works three furnaces were kept at work from July to October, 1865, when they were let out until the beginning of May, 1866, to accumulate a stock of coal for the winter season. During the remainder of the year
four furnaces and a refinery were constantly at work. At the Port Adelaide
Works the average number of furnaces at work during the first half-year was
the annual work.

TORRA BURBA MINE.—The ore raised for the half-year to Sept. 30, 1866, was

the second twork.

The ore raised for the half-year to Sept. 30, 1866, was thought a reduced number of hands were employed, and the ore was

RURBA BURBA MINE.—The ore raised for the half-year to Sept. 30, 1866, was 2688 tons, although a reduced number of hands were employed, and the ore was taken almost exclusively from the old pitches. The average percentage continued very satisfactory, being as high as 22 per cent. of fine copper. The operations for the further development of the mine were being continued. LIMITED LIABILITY.—This desirable object has been obtained, and the company is now fully registered under this Act.

TRAMWAY TO PORT WAREFIELD.—This is expected to pass through, or near to, a portion of the company's freehold land, the value of which must necessarily be greatly enhanced by this improved means of communication. The road from the Burra to the above port having been, in a great measure, constructed by this company in former years, the board have instructed the manager to make application to the Government for compensation for the heavy outlay incurred. It is to be hoped that, should any considerable portion of the said road be made use of for the construction of the tramway, the local Government, will see the institute of the claim, and reimburse the company for some portion of its outlay. Financyis.—The accounts for the year ending June, 1866, show a nett profit of 32341, 10s. 7d., applicable to a dividend. Under the special circumstances of the year, the directors think that the shareholders may fairly declare a dividend of is, per share, payable on March 1 next. In this result the directors think there is room for congratulation, when the difficulties which have attended the past year are taken into consideration. Copper, which was quoted at 99t. the past year are taken into consideration. Copper, which was quoted at 99%, per ton at the beginning of February last, has fallen, during the year, as low as 82L per ton, and cannot now be quoted higher than 85L per ton. The drought in Australia has caused the price of fodder to be raised very considerably during the whole year, adding greatly to the cost of the company's cartage, whilst the monetary crisis in England could not but affect the interests of the company most prejudicially, by depressing the copper market to a lower point than has been known for the last sixteen years, and by embarrassing the ordinary financial operations of business. Nothing but the economy introduced into the working operations of the company in Australia—the full effects of which have been felt, for the first time, in the year under review—could have made head against such a current of adverse circumstances, and it is the knowledge of that fact which encourages the directors to hope for a better future.

working operations of the company in Australia—the full erects of which and been felf, for the first time, in the year under review—outid have made head against such a current of adverse circumstances, and it is the knowledge of that fact which encourages the directors to hope for a better future.

The CHAIRMAN said that the business of the meeting was to propose the reception and adoption of the report and accounts, to detect a such as the company of the property of the company of the company of the company of the company and the property and in the price which, shoir copper had realised had been equally satisfactory, and if the price which, shoir copper had realised had been active that every detail in connection with the company's operations was entirely satisfactory, and if the price which, shoir copper had realised had been anxious to do everything that was to the advantage of the company, and amongst other things attention had been directed to the wharf extension at Adelaide. Along the river slide they possessed a frontage of 700 ft., on which a wharf had been made 200 ft. long; and, taking the results realised by the portion completed, the value of the entire frontage who mished, as a wharf, would full. The export and import trade of 1865 amounted to more than 6,000,000. Sterling, which was more than double what it was ten years since. Everything was advancing in value, and the wharf property of the company had not been an exception. He estimated that it would require about 10,000. to complete the 700 ft. wharfage, but that would give them a very large increase of income. The improvement in the value of land was a matter of no small importance to the 700 ft. wharfage, but that would give them a very large increase of income. The improvement in the value of land was a matter of no small importance to the 700 ft. wharfage, but that would give them a very large increase of income. The improvement in the value of land ones. During the period embraced in those accounts three causes had averagely affected thei

PENHALE AND LOMAX (CONSOLIDATED) SILVER-LEAD MINING COMPANY.

The first annual general meeting of shareholders was held at the offices, New Broad-street, on Wednesday,—Mr. Foakes in the chair.
Mr. H. L. PHILLIPS (managing director) read the notice conven-

ing the meeting.

The report of the directors (after referring to the financial position The report of the directors (after referring to the financial position of the company, and the arrangements that had been made with the creditors) stated that they regretted the considerable delay which has occurred in forking, or getting to the bottom of the mine—a delay which has been caused by several accidents to the pumping apparatus. These accidents have now been remedied, and the forking of the mine resumed, and it is estimated that in about three weeks the bottom of the mine will be seen, and operations in the lower levels commenced. At the shallow levels several tribute pitches have been set, and about 25 tons of silver-lead ore raised therefrom, and Capt. Kitto states that many more pitches can be set as the mine is unwatered. It is a noticeable feature that the ore is found richer for silver with the increasing depth, and when the mine is in effectual work, and the levels extended, there is no doubt good monthly returns will be made, and a profitable mine opened up. The settlement of the current obligations has absorbed all the available resources of the company, and the directors have accordingly anxiously considered the subject of raising some additional capital to pay outstanding balances, as well as to create funds to pay the monthly cost of the mines regularly. The course recommended by the directors is the issue of 2009 preferential shares of 14. each, and the directors by to express a hope that every shareholder will exert himself to take his proportion of the said issue of new shares, as they believe that if this be promptly done it will enable them to complete their arrangements for the preservation of the company sproperty; and at the same time give them the means to conduct operations at the mines, not only uninterrupedly, but, as they have reason to believe, successfully. The directors beg that their co-shareholders will accord them (or those whoever else may have the conduct of the company is property; and at the same time give them the means to conduct operations at the mines, not only

The CHAIRMAN said that, on behalf of his colleagues upon the direction, no less than on his own behalf—all of whom were largely interested in the enterprise—he had to express their great regret that they were not able, upon the present occasion, to submit a more favourable report than that which had been placed in the hands of the shareholders. Allusion had therein been made to the unfortunate fact that the ex-secretary had committed several serious irregularities, not the least of which was the giving of his own acceptances to the creditors, and so keeping from the directors the real Indebtedness of the company. Notwithstanding the desire of the board to ascortain the amount of the current liabilities, all letters relating to the company's affairs were suppressed, and everything else was kept from the knowledge of the board, who were allogether taken off their guard by the secretary being a very large shareholder. He then proceeded to explain the present position of the company, and urged the absolute necessity of the shareholders adopting the recommendation of the board to issue 2000 preferential shares of 1t. each. He spoke as a large shareholder when he stated that each one interested in the company would be promoting his interest by accepting a pro rata proportion of those shares, and thus follow the example set by the directors. There could not be a divided opinion that they possessed a really valuable property, and when he mentioned that Mr. E. Michell, of Truro, had agreed to accept the pursership, those who knew the position and experience of that gentleman would agree with him (the Chairman) that that fact alone spoke most strongly in favour of the intrinsic merits The CHAIRMAN said that, on behalf of his colleagues upon the diman) that that fact alone spoke most strongly in favour of the intrinsic merits of the company's property. From a personal inspection of the mines, and from information he gained in the neighbourhood, he felt justified in expressing his belief that when the bottom levels were reached regular returns of silver-lead ore would be made; and when the ground was fairly laid open they would posses a permanently valuable mine. While upor this point, he would read the report of Capt. Kitto (the manager), which was as follows:—

report of Capt. Kitto (the manager), which was as follows:—

Feb. 20.—Since writing you on the lith instant I have visited the above mines, and am glad to be able to inform you that operations are now progressing favourably, particularly as regards the forking of the mine; and if the exertions now being made are attended with success (which at present there is no reason to doubt), we shall reach the bottom of the mine within three weeks of this date. I was underground yesterday, and found everything going on right, 10 fathoms of water having been drained between Sunday and Tuesday morning. It will take a few days to fix a standing-lift in the 74 fathom level, which is the present level of the water, and then the next lift will reach the bottom. The quantity of ore raised has been increased but little since the accident occurred to the plunger-lift, referred to in my report of the 11th instant, on account of the water tising and driving the tributers from their pitches, but they are now got to work again. I would here again remark that the shareholders in this company (unfortunate as we have so far been) have not the slightest reason to despair of success, as I have not the slightest doubt, and in which I can be borne out by all who know the mines, that ere long they will be well repaid for both patience and outlay,—JOHN KITTO.

stion that shareholders might please to put, he repeated his hope that each ald take up his proportion of the new issue. He then moved that the report he directors and balance-sheet be received and adopted. Capt. JOHN KITTO, in reply to questions, stated that, although a considerable

expenditure had been incurred at the mines, yet shareholders must recollect that the machinery erected was of a character to meet every requirement, however extensively the mine might be developed. When he first accepted the management he had no idea that so much time would have been occupied in reaching the bottom of the mine. He then referred to the accidents to the pumping machinery, which he stated had delayed the reaching the bottom of the mine at least six weeks, but now he was glad to say the pumps were working well. They were getting down to the 74, and he hoped the bottom of the mine would be drained in something like three weeks from the present time. When the bottom levels where laid open he had no doubt several tributers could be set to work and some 20 tons of silver-lead ore could be returned monthly. With respect to his not having communicated with the directors carlier than he had done, that was, no doubt, an error of judgment on his part; but, as regards the mine, he could only say that he had such confidence in the future that he had worked without any remuneration from the time he accepted the managership, and, in addition, had advanced considerable sums of money to the poor miners. He was also prepared to take his fair proportion of the proposed new issue of shares. In reply to questions, Captain Kitto further stated that the general character of the ground was soft, that it could be driven for about 3, per fathom, while was considerably above the average of East Wheal Rose. The lodes were about 2 to 3 ft. wide, and the ore was as good as that at West Chiverton. The sett was considerably above the average of East Wheal Rose. The lodes were about 2 to 3 ft. wide, and the ore was as good as that at West Chiverton. The sett was very extensive, and sinking could be continued at the rate of 2 fathoms per month. When last worked it produced 50 tons of lead monthly, and he considered one of the best proofs which could be given of the opinion held of the mine in the county of Cornwall, was that Mr.

SULBY RIVER MINING COMPANY (LIMITED).

SULBY RIVER MINING COMPANY (LIMITED).

The half-yearly general meeting of shareholders was held at the Athol-street Club Rooms, Douglas, Isle of Man, on Tuesday,
Mr. John Perry in the chair.

The Secretary (Mr. George Maley) read the directors' report, which stated that during the last six months the work of developing the mine had been pushed forward with, as much speed as circumstances would permit. Owing to a defect in the walls of the wheel-case, it had been found necessary to pull it down and rebuild it from the foundation, thereby causing a delay of several months. The walls were now completed in a substantial manner, and the engineers engaged in erecting the wheel and machinery. It was confidently expected that the wheel would be finished in about a month, at which time the sinking of the main shart would be resumed.

The agent's (Capt. J. Woolcock) report detailed the operations above ground, and stated that the workings underground proved that the mine was an ore-bearing one, and that it is "well worthy of a spirited trial."

The retiring directors were Mr. James Coole and Mr. J. C. T. Harrison, both of whom were re-elected. It was unanimously resolved that on the occasion of the starting of the wheel all the shareholders in the company should be invited to the mine, and that refreshments should be provided on the ground, at the expense of the company. The proceedings terminated with the usual compilmentary votes.

Ronal School of Mines.

MR. WARINGTON SMYTH'S LECTURES ON MINING.

MR. WARINGTON SMYTH'S LECTURES ON MINING,
LECTURE XXVIII.—When the excavations are of unusual size,
and the ground heavy, the circumstances under which it is necessary
to adopt what is commonly called "apilling" are exceedingly various,
and the ground heavy, the circumstances under which it is necessary
to adopt what is commonly called "apilling" are exceedingly various,
it frequently happens that there will be parts of the workings in
which the ventilation is in an unsatisfactory state, and the timber in
such places is exposed to the action of dry-rot, when it will give way
sometimes very suddenly, and at other times so gradually as to allow new timber
to be put in before any accident is likely to occur. But if two or three caping the property of the property of the property of the control of the contr LECTURE XXVIII .- When the excavations are of unusual size,

men therefore work small spaces at once, with strong timbering around them, and so push forward. A careful attention to the details of these precautions is the only way to prevent accidents where the ground is in a crumbling condition, or rendered dangerous by the presence of a large quantity of water.

GALE'S PROTECTED GUNPOWDER COMPANY. ORDER FOR WINDING-UP.

GALE'S PROTECTED GUNPOWDER COMPANY.

ORDER FOR WINDING-UP.

The Master of the Rolls delivered his judgment on Thursday in the cause of Lever v. Gale's Protected Gunpowder Company. The petition has now been before the Court for some time, and was adjourned on one occasion in order to ascertain the opinion of the shareholders upon the proposal for winding-up the company. At a meeting which was held in accordance with the wishes of the Court so expressed, the votes of the patentees and their friends exceeded by more than 100 those who advocate the winding-up. The case came on for argument on Saturday last, and the Master of the Rolls intimated that he would cliver judgment on the following thrursday. The MASTER OF THE ROLL'S sale—I have read through the affidavits in this case very carefully, and I think the plaintiff is entitled to a winding-up order. I think he is entitled to a winding-up order on the ground that the company had not commenced business within one year from the time when the incorporation took place. I ascertained, however, that it must have taken place some time in October, 1865, for provisional specification was made in June, 1865, the prospectus was issued in September vere allotted, and Memoranda and Articles of Association drawn up. The fact were allotted, and Memoranda and Articles of Association drawn up. The fact is that the company never has carried on business, and does not even do so at the present moment. None of the excuses given in explanation of this fact as the present moment. None of the excuses given in explanation of this fact and did allow it to stand over a short time since, in order to ascertain the opinions of share, solders. Now, with the exception of the owner of the patent, and the gent with constructed with him, there is a large preponderance of the shareholders, who entirely believe there is no prospect of success, in favour of whather the string from a company on the point of being submerged being permitted to struggle on in the hope that it will be able to keep its he order.
n answer to counsel, his lordship intimated that he should allow the costs both petitions and all the affidavits.

[ADVERTISEMENTS.]

From Mr. Edward Cooke:—There has been rather a gloomy feelg over the market during the week, owing in some measure to the decline in
e price of tin of 22, per ton. Shares have declined in market value far more
an this drop in the price of tin would seem to warrant. The operations
the tin smeiters appear almost inexplicable, and until more competition is
ought to bear by public ticketing, as in the case of copper ores, the mine comnice will continue to be at the mercy of the capriciousness of the tin smeiters
he produce of the mines of Cornwall are less monthly, by several hundreds of
bear than in the early part of last year, while the current imports of tin, and
ecoming Dutch sale, are ass in quantity also than for some years past; conquently the stocks are gradually decreasing, and, notwithstanding the present
we price of tin, an uitimate rise of some 104, or 154, per ton during the current
we price of tin, an uitimate rise of some 104, or 154, per ton during the current
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are appears inevitable; and it behoves all mine managers and shareholders
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are appea From Mr. EDWARD COOKE :- There has been rather a gloomy feel-

sected It, to be fully verified. I have no count in my own mind that, with maparatively small outlay, North Chiverton will prove one of the most sucful lead mines in the Chiverton district.

From Mr. J. B. REYNOLDS:—A good demand is experienced for an shares not generally dealt in on the mining market, but on the Exchange is have not been well sustained during the week. This confirms the opinion we often before expressed—that non-market mines, the merits of which are not doubt, will command at some time or other good support. As my "Cirry" for February and March is now before the public, it is hardly necessary me to write at length this week, but I must say that the report of Capt. J. 6, of Basset, on WEST ST. IVES, has created a very favourable impression ed, and has caused a demand for these shares, which may result in the estainent of a high price for the stock. CHIVERTON WHEAL HOPE, at presenting at a profit, is also likely to come into prominent notice.—Rose AND VESTON: It is expected that in the course of three weeks this mine will ple 16 tons of lead ore: the appearance of No. 2 lode is very good.

From Mr. GEORGE BUDGE:—Without pretending to advance any silder respecting the merits of publicity in all matters relating to joint-stock parise, it may be proper to observe that the weekly letters to the Mining mad, emanding from the leading brokers, are calculated to be of the greatest to capitalists, both in the judicious selection of new investments and in the table management of existing interests. It would be idle to assert every exty brought prominently into public notice through the media just mentals in the propers of the provency and amount of adverse criticism, which would be damaging alike provoking an amount of adverse criticism, entite would be damaging alike provoking an amount of adverse criticism, entite would be damaging alike provoking an amount of adverse criticism, which would be damaging alike prospects of the mine and the reputation of its champion. The safety of of the mine and the repu

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nen ad-alls ws, n of all un-pen avy s to ther ble, ing pich put rted The the

of diridends. The mine has aiways been favourably received by professional miners, as not only are the strata highly mineralised, but the returns of ore have gradually kept pace with the progress of the works, so auguring well for a lasting and profitable adventure; indeed, the latter is pretty well assured, as the accounts submitted to the last general meeting of the proprietors disclose the important fact that, against the cost for the three months ending November, 1886, amounting to 13941. 16a. 1d., there have been sold upwards of 34 tons of tin, which realised 16821. is. 2d. The mine is, moreover, looking exceedingly well, and the shareholders may be congratulated on the necessity which has arisin for the erection of additional stamps, in order to return the extra tin from the western ground. GREAT NORTH DOWNS continues to present a highly laterable parameter, and the shares are in fair demand. This mine has been distinctly characterised by the vigour of its management, no outlay necessary for its thorough prosecution having been spared, a fact which says something for the faith of the shareholders in ultimate success.

PRIBEEN CONSOLS is just now in a most interesting position to the shareholders, heling on the eve of ascertaining the value of one of the most important points in the mine—the Great Pendeen lode in the 82 north. Under date the 14th Inst., the managers report that they have driven 5 fms. on the lode, and, having reached the junction with the Pendeen lode, were on the eve of breaking through the lodes to ascertain their value. Should their anticipations of success he realised, a considerable advance in the value of the shares may be looked for. Why Frank Mills should be in such disfavour it is difficult to say. Not long ago the shares were quoted at 6½ to 6½, whereas they may now be bought for the interesting the property, but, in any case, the extraordinary depreciation in the value of the shares within so short a period is protective of remark. Gawron continues to open up well. The value of

hibit improved returns, according to the advices received on the 19th inst., both in the grees weight of gold, and in the nett profit on the general working. During the utmost severity of the panic the fluctuation in the value of these shares were of the most inconsiderable character, a state of things which may doubtless be attributed, in part, to the small denomination of the shares, but which was mainly owing, in fact, to the bona fide character of the undertaking, regard being had to the circumstance that the monthly profits continue to increase. The public are in possession of sufficient evidence of the value of both these mines to enable them to form a sound opinion as to the desirability of investing in the shares, the prices of which, all things considered, are temptingly low. Don Pedro, 20s. to 22s. 6d.; Anglo-Brazilian, 11s. to 13s.

Pedro, 20s. to 22s. 6d.; Anglo-Brazillan, 11s. to 13s.

From Messrs. WARD and JACKMAN:—All mercantile pursuits are subject to fluctuations, and should a panic occur at every trifling alteration in value, there would be an end to trade and confidence—indeed, there is not a profession that bears an immunity from this necessity. There is no occasion for alarm, therefore, when we announce there have been some fluctuations in British mines shares of a retrograde character this week from various causes. Supply in excess of demand, in consequence of the fall in tin, in many cases being the sole reason. The accounts which we have received from the various mining districts show continued activity in business, and we are glad to report that our views which we have expressed respecting the prospects of several mines in these pages during the past have not been over sanguine. At NORTH TRESKERBY the lode in the 120, east of Tresidder's shaft, is looking better, and so is the lode in the shaft sinking below this level; these are two great points, and the agents think they will shortly further improve. We recommend these shares to the attention of our friends at present prices. There need be no fear of calls for the next 12 months, and any improvement would cause the shares to rise rapidly. At GRRAT NORTH DOWNS the lode in Sleggan's shaft is now looking much better, the tin-bearing part is wearing out, and the lode looking likely to make a permanent course of copper ore. We have examined the transverse section, and it appears to us quite evident that this great deposit has been formed by the celebrated Teapenny lode and the Spelter lode dropping into and forming a junction with the main lode; these lodes coming down almost perpendicular, and the main lode having an underlie 2 ft. south. New Exton is progressing satisfactorily, and the shares have been in demand, and changed hands at from 35t. to 40t. West Drake Walls, which we favourably mentioned in last week's remarks, have advanced 200 per cent. At NORTH ROSKEAR, in the 23 From Messrs. WARD and JACKMAN:—All mercantile pursuits ar

on Wednesday.—At East Wheal Russell, they expect in a few days to resume driving the 140, where the lode is valued at 25%, per fm., and should it continue, of which there is every prospect, shares will rise considerably.

From Mr. J. J. Reynolds (Royal Exchange Avenue):—The fall which took place on Tuesday of 3l, in the price of tin has had a depressing effect upon the share market, and doubtless afforded great satisfaction to the fraternity of "bears," who, like the wreckers of old, prey upon the misfortunes of the community, and turn each disaster to a profit. The mining market, perhaps more than any other, is liable to the affliction of this malignant pest, but as the triumphs of their malicious machinations are generally but of temporary duration, no alarm need be experienced by those who invest with judg ment for legitimate purposes. The comparative inactivity of the market has given me a good opportunity of more closely examining the merits of the mines that I have already recommended, and also others previously omitted. North Cropty has claimed much of my attention, and the favourable opinions that I have so frequently expressed are more than ever confirmed. The shares have been tempted to realise their profits, and it is to be hoped that they will not find a change of investment one for the worse. At the presentation of the merits that I mendiately purchased some shares in British mines for investment. The prospects of the mine steadily improve, and the reserves of orce are being daily increasing. Brays Gwoig has been introduced to my notice, and after a most careful investigation I entertained such a high opinion of its merits that I immediately purchased some shares, and I would strongly recommend the whole of my friends to do likewise. During the last five years this mine for immediately purchased some shares, and I would strongly returns of ore are now 45 tons, and the ends and stopes are now worth 200f. There being only 500 shares, the present price (201, 1s only 10,000f, for the mine, which blefs

From Mr. Albert E. Prince (Penvu, Camborne):—The sudden decline in the price of tin has not a little surprised and disappointed speculators in the mining world. Sellers of tin stock, as a consequence, prevail, and at considerably lower rates; but as this depression is thought to be but temporary, and a reaction hopefully looked forward to, the present period is obviously most opportune for the purchase of stock, and such mines as North Grofty, which needs no recommendation. The tinstuff which is being returned, and to be brought to the credit of next account, will sufflee to make good an opinion so often expressed respecting this most productive mine. Tincroft, Trumpet Consols, West Great Work, East Lovell, Providence, &c. Proster Intred, which has attained its present prosperous position through the able management of Capt. Nicholis, and the indefatigable exertions of the purser, Mr. Wescomb, has been inspected but a short time since by a gentleman, who speaks most encouragingly of the present position and the future prospects of this mine. In conclusion he remarks:—"I estimate the reserves to the west of Hand's shaft, from the back of the 90 and above, to be worth 14,090% for tin and copper. This does not include any tribute pitches, of which there are 25 pares working in different parts of the mine, by 76 men, at an average of 10s. in 14., the men to pay all costs. There are also very large quantities of tin ground laid open in different parts of the mine, of which a portion will pay to take away at the present price of tin, and hundreds of tons at surface waiting to stamp. Having been well acquainted with these mines in their former workings, and looking at the different points there are in operation, as before mentioned, I consider the chance- equality good for making large returns of tin and copper, and would advise another winding-engine to be put up in the western part of the mine, and stamping power increased; the latter can be done by water-power. The returns at present are about 400 tons of copper or From Mr. Albert E. Prince (Penvu, Camborne):—The sudden

MINING NOTABILIA.

[EXTRACTS FROM OUR CORRESPONDENCE.]

The TAVISTOCK MINING DISTRICT has been affected during the past year by the general gloominess prevailing, but the prospects of the mines generally are now more cheering, in consequence of the improvements in the copper and tin markets. Improvements have also taken place in the mines, which cannot fail to stamp the district with importance as a good field for speculation and investment. PRINCE OF WALES will, nodoubt, be a good mine. CLITTERS is much improved. WHEAL MARIA AND FORTESCUE has been inspected by various agents during the past few days, who concur in expressing the most favourable opinions. OKEL TOR has much improved, and EAST RUSSELL may now be put down as one of the termps of 18GT. CORNWALL UNITED is looking well, and with economy should pay dividends. Amongst the young mines New EAST RUSSELL is one of the best speculations. WHEAL GRELAKE is daily improving driving west in the new ground. The OLD RUSSELL and SOUTH BEDFORD discovery was made by the Old Russell Company in an adit belonging to South Bedford driving, under an agreement between the two companies that Old Russell should have the benefit of any discovery made 5 fathoms above or 5 fms. below such adit. These conditions will still be adhered to. Old Russell have 35 fms. to drive through this course of ore, and 300 fms. In their own set; this will make Old Russell a most valuable jeece of ground. There is a splendid course of ore in the end, worth from 7 to 8 tons of rich ore per fm. All this Old Russell property can be worked by water-power, making a great saving in carrying out operations. No horse labour is required in bringing materials to the mine, or carrying away the ore, as the Tamar flows close to the adit level. The Monkston Mining Company (Erenton) held a meeting on Thursday. A deputation from London has visited the mine, and returned quite delighted with the prospects. The late discovery at Smith's shaft, in the 17, has laid open a lode 12 ft. hig. worth 50. per fm. Large rocks of ore were broken in the pre-The TAVISTOCK MINING DISTRICT has been affected during the past deputation from London has visited the mine, and returned quite delighted with the prospects. The late discovery at Smith's shaft, in the 17, has laid open a lode 12 ft. big, worth 50t, per fm. Large rocks of ore were broken in the pre-sence of the deputation, and brought to Tavistock. This famous old mine has been the means of enriching many who now enjoy honourable positions in the House of Commons, and its reworking has given a new vitality to the district; It will give a great deal of employment, and certainly entitles the promoters to credit and success.

LOVELL CONSOLS.—As will be seen by the report, which appears in another column of this day's Journal, the 12 end west has materially im-proved, and, from appearances, a large quantity of tin will be laid open very shortly. The sanguine opinions expressed a few weeks ago relative to the ulti-mate result of this property are likely to be verified in a short time, and, con-sidering it a position, there is no reason why it should not prove a second Old sidering its position, there is no reason why it should not prove a second Old Wheal Lovell or Trumpet Consols. PENHALE WHEAL VOR is destined ere long to become a great tin

FENHALE WHEAL VOK IS destined ere iong to become a great fin mine. From all appearances the shareholders are about to reap the reward of their perseverance. The new lode cut in the 28, south of Battye's shaft, is looking exceedingly promising, and opening up far more satisfactorly than themost sanguine could desire. I am informed they sold, on Tuesday, upwards of 4 tons of tin, at 53L per ton, the produce of three weeks.

DRAKE WALLS AND WEST DRAKE WALLS.—The whole of the

to be vigorously worked by a separate company, any discoveries in that sett must considerably enhance the value of Drake Walls.

GREAT SOUTH CHIVERTON continues to look exceedingly well; and, from indications in the 20 and 30, there is every reason to anticipate im provements. This will, without a doubt, prove one of this year's prizes.

EAST PROVIDENCE continues to improve, and ere long the share-holders will be well rewarded for their patience and outlay. The Carbona is now reported to be worth between 301. and 401. per fathom. Great praise is due to the manager, Captain John Naucarrow, for bringing the property into such a flourishing condition.

NORTH CROFTY.—The bottom levels are opening out very favourably. The 196 west is gradually improving, and is now worth about 101, per fm., ably.

ably. The 196 west is gradually improving, and is now worth about 101. per fm., and just coming under the tin ground in the 188, where they have gone over a good lode, worth from 151. to 201. per fathom. The other points fully maintain

and just coming under the till ground in the 183, where the last is a last good lode, worth from 181, to 201, per fathom. The other points fully maintain their value.

OKEL TOR.—Capt. Rodda has been accompanied by Capts. Rickard and Collom underground, and, from extracts of their letters, it appears that the 80 fm, levol cross-cut south will probably intersect the same lode as in the 50 and 65 in about 10 ft. driving. They dwell on this as a very interesting point, as the 65 cross-cut over it is in a lode, so far, 3 fms. which, the whole of which will have to be drawn to surface and dressed; and in the furthest point seen in this cross-cut the lode is fast improving.

GOTHIC.—This mine has now been upwards of twelve months working by a limited company, and this year the shareholders are likely to reap the benefits resulting from the opening of the new ore ground, and from the deepening of the mine to the 40, so soon as the tributers clear away the ore now being raised below the 25 and 30 fm. levels during the current year. The 10 per cent. Interest guaranteed by the vendor has been paid to each registered subscriber, the last 5 per cent. since the first ordinary general meeting, published in the columns of the Journal on Saturday last. It is always gratifying to announce the fact that good faith, in accordance with the printed prospectus of a company, has been kept with the proprietary. The prospects of the mine should stimulate shareholders to uphold their own and the interests of the company, by firmly holding their shares, which must eventually command a high position in the market, with a prospect of a 10 per cent. permanent yearly dividend.

MINING IN NEVADA.

MINING IN NEVADA.

The Comstock lode, taking its whole extent from Owens Valley through Silver Mountain, Carson Vailey, to Virginia City, is a true fissure vein, or a vein formed at a very remote period by some great voicant convulsion, causing the crust of the earth to be rent in two, thus creating an immense fissure or chasm miles in extent from 100 to 200 ft. in width, and extending from the surface downwards, at an angle of 45°, to the very bowels of the earth. Through this large open fissure ascended steam and vapours, gases, acids, sulphur, chlorine, and fluorine, carrying with them silica and metallic particles in a volatile form, which in the course of untold ages gradually filled up the fissure, and after undergoing many chemical changes formed what is known as the Comstock lode. The predominating metal of the lode throughout its extent is silver, which constitutes about two-thirds of the value of the ballion—the other third consists of gold.

This great vein, the most important one at present worked in the world, and probably the most prolific one of which we have any historical record, has yielded in the last five years \$75,780,588. Its present annual yield is about 600,000 lbs. avoirdupols of gold and silver builtine, worch \$16,000,000, quant to over one quarter of all the gold and silver produced by all the States on the Pacific coast, or equal to one-third of all the silver produced per annum in the whole world, and exceeding the present total yield of all the silver milnes of Mexico.

The Comstock lode is pronounced by competent geologists to be a larger, more extensive, and more permanent vein than either the celebrated Veta Madre, of Guanajuato, or the Veta Grande of Zacatecas, both of which have poured out their treasures for the last 360 years, the former having yielded about \$800,000,000, the latter over \$650,000,000 during that space. A larger interest is concentrated here within a few miles than on any other spot on the globe, and the continued productiveness of this lode is a mater which

Name of company. No. of ft. in each. Paid-up capital,	Yield.
Yellow Jacket 1200 £60,000	£144,021
Savage 800 21,600	121,048
Gould and Curry 1200 50,000	89,486
Chollar 1400 89,600	88,000
Belcher 1040 4,200	62,828
Potosi 1400 17,260	61,620
Imperial 184 9,800	40,270
Empire 75 No returns	23,800
Confidence 130 ,,	16,080
Ophir 1400	11,550
Bacon 45	8,399

SUPPLY OF GOLD AND SILVER.

Total 631,005,000 382,905,000 1,013,906,000 Other countries 111,111,000 275,555,000 386,666,000

PETROLEUM AS STEAM FUEL .- The trials permitted by the Lords PETROLEUM AS STEAM FUEL.—The trials permitted by the Lords Commissioners of the Admiralty with the petroleum boiler in Woolwich Dockyard have resulted satisfactorily, as anticipated—Mr. Richardson, the inventor, having succeeded during the latter period of the experiments in evaporating 18:91 lbs. of water per pound of crosost-, during a trial of seven hours. The new fuel gave off at times a great deal of smoke, which caused a most offensive effurium, the construction of the boiler being such as to impede a full gaseous blast, sufficient to destroy and consume the smoke-as intended. Mr. Richardson has, it is understood, in consequence, applied to the Admiralty for a large common marine boiler for the purpose of future trials. It was stated as the opinion of the local naval engineers and other officers who were present that with such fuel the gunboats in the tropical seas would be rendered habitable and comfortable. The experiments were attended by a very large number of persons, representing the principal engineering and shipping firms, and also by many owners of steam-yachts, who are desirous of using the new fuel instead of coal.—Times

Some petroleum springs have been discovered at Wiesloch, in Baden, and it is stated that the oil yielded is exactly similar to that from A

and it is stated that the oil yielded is exactly similar to that from America.

OUR NATIONAL PICTURE GALLERIES.—The series of very able articles by "An Artist," published in the Weekly Dispatch during the past three months, have just been re-issued, in pamphlet form, through Messrs. Tribner and Co., of Paternoster-row, under the title of "Papers on Picture Flaying at the National Gallery." The series contains, probably, a larger amount of information upon the subject than the reader could possess himself of with the same amount of reading from any other source. It is very truly remarked that a fine picture, unilke a great poem, cannot be indefinitely multiplied, and that it of necessity follows that sound judgment on the part of those deputed by the nation to purchase and preserve such works is of the utmost importance. The object of the articles was not only to show that many of our best pictures have been materially injured by the oiling and flaying processes to which they have been submitted, but also to point out the means of preventing the evils for the future. The pamphlet will well repay a careful perusal, and it is to be hoped that the instruction offered will not be lost upon those for whom it is intended.

Holloway's Pills and Ointment—Billousness, Dysperpala.

ing exceedingly promising, and opening up far more satisfactorily than the most sangulne could desire. I am informed they sold, on Tuesday, upwards of 4 tons of tin, at 53L per ton, the produce of three weeks.

DRAKE WALLS AND WEST DRAKE WALLS.—The whole of the 12,800 shares in the latter mine have been applied for, and the 2s. 6d. per share paid. The Prince of Wales indeed the will be forthwith opened out in West Drake Walls, which, according to indications, bid fair to become at no distant date of equal value to that which they have already proved in the Prince of Wales Mine. The severance of West Drake Walls from Drake Walls does not in any way deteriorate the value of the latter mine, inasmuch as they have a long run of ground both on the tin and copper lodes; as the western portion (West Drake Walls) is

Mining Correspondence.

BRITISH MINES.

BEDOL-AUR.—H. R. Harvey, Feb. 21: The shaft is down 4 fms. 1 ft. below the 77 yard level; the ground is very stiff, sinking for 191, per fathom by eight men. The 70 cross.cut, north-west from the Brynia, is driven about 6 feet from the latter vein. I think we are nearing the Coltia Waen vein, as we are getting some stones of ore, and there is water issuing from the crevices in the sides. Jones's pitch is still looking kindly, yielding nearly 1 ton of lead per fathom; ground rather stiff. Williams's pitch is not looking so well as it has been; the cryund here is also have

Jones's pitch is still looking kinuty, Jones's pitch is not looking so well as it has been; emergound here is also hard.

BOSWORTHEN PENZANCE CONSOLS.—R. Pryor, F. Hosking, February 21:
Jones's shaft is holed to the shallow adit level, and we have also holed the rise in back of the shallow adit level on Carn Brea lode to the old men's workings; all these men, with the endmen driving west of Harvey's shaft, are now engaged in fixing the flat-rook on Jones's shaft, and no time will be lost in completing the same in order to drain the water from the deep adit level; as soon as these tods are fixed we shall at once work our engine and stamps. The engine is now put in good repair. The carpenters and masons are busily engaged about the stamps floors, so as to get them in course against the engine is set to work. The weather is more favourable, and the surface work is going on satisfactorily. We are getting on well with clearing and timbering the tail of the deep adit, and also repairing the ngine-shaft. The tutwork bargains remain much the same as when last reported on.

weather is more favourable, and the surface work is going on satisfactorily, and also repairing the 'nighte-shaft. The tutwork bargains remain much the same as when last reported on.

BOTTLE HILL.—J. Eddy, Feb. 21: South Copper Lode: The lode in the 24, west of shaft, is still small, carrying a little tin, and occasionally we find in it good stones of copper ore; the ground has become much easier, now driving at 41, per fm. The lode in bottom of the 12 is now about 15 in. wide, and producing good work for tin.—Main Lode: The lode in the stopes east of Bucking-house shaft is still about 7 ft. wide, and turning out work of moderate quality. The tribute ground in back of the 12 continues to look well.

BRYN GW10G.—F. Harper, Feb. 20: The lode in the 102, east of engine-shaft. Is still about 4 ft. wide, with a more favourable appearance for lead ore. The lode in bottom of the said level is still large, and at present worth 4 tous of lead ore per fathom. No change to remark in the 90 east since my last; the same may be applied to the 90 west. Both end and rise are worth 2 tous per fathom. Two pitches in the bottom of this level east are looking a shade better. The lode in the 75, east of said shaft, on the new lode, is much as last reported on—2½ tons per fm. The 75 west, on the old lode, has improved in value, now producing fine lumps of lead ore, and opening tribute ground; in the bottom of this level east are looking a shade better. The lode is rather small at present, although not altogether void of lead; it is my strong opinion that the principal part of the lode is to the north, and have ordered the men to open out in that direction; and as we have a good lode in back of the 90, directly under this wince, we shall in all probability soon cut the same run of ore. The pitches both in back and bottom of this level are much the same as when last reported on. Bramwell's shaft is a little more favourable for propress. We sold on Thursday last 45 tons of lead ore, at 181. Its, per ton.

S. Harper, Feb. 21: In opening

level is rather poor for lead; I am afraid this failing off will effect our next sampling a little.

CAPE CORNWALL.—Richard Pryor. R. P. Goldsworthy, Feb. 20: The lode in the 9: end east is large, producing good stones of tin, and is letting out a great quantity of water for this district. The character of the lode is sufficient to induce the opinion that something substantially good will be realised at the junction and in the granite. The lode in the 70 end west is producing a little yellow copper ore—very promising.

CAMBORNE VEAN.—N. Clymo, Feb. 21: The 135, east of Grylls' shaft, is worth 2 tons of copper ore per fathom. The stopes in the back and bottom of this level are each worth 4 tons of ore per fin. We have commenced to drive east from the winze about 10 fms, below the 135; this end is worth 1 ton of ore per fathom, and of a very promising character.

CARADON AND PRICENIX CONSOLS,—Wm. Richards, Feb. 20: There is no change worth reporting in the character of the ground in the cross-cut south at

worth 2 tons of copper ore per fathorn. The stopes in the back and bottom of this level are each worth 4 tons of ore per fathorn, who have commenced to drive east from the winze about 10 fms, below the 135; this end is worth 1 ton of ore per fathorn, and of a very promising character.

CARADON AND PHCENIX CONSOLS,—Wm. Richards, Feb. 29: There is no change worth reporting in the character of the ground in the cross-cuts outh at the 50 since my last; it is moderately easy for progress, and mileralised with small branches of fluor-spar, mondic, and yellow copper ore, and the 50 since my last; it is moderately easy for progress, and mileralised with small branches of fluor-spar, mondic, and yellow copper ore, and the 50 on the course of No. 1 tod to yn ine men next week.

CARDIGAN CONSOLS.—H. Boundy, Feb. 16: Esgalrirath: The lode in the adit, driving east, is producing a little yellow and black copper ore, and has a very promising appearance. The new engine-shaft is now down deep enough for another level; we have, therefore, during the week squared the shaft, put down sollar, &c. Yesterday we commenced driving both east and west. The lode in the east end. I am pleased to say, is yielding large lumps of yellow copper ore of very rich quality. The prospects of the mine are of a very favourable and encouraging appearance. Our machinery, &c., is all in good working order of very rich quality. The prospects of the mine are of a very favourable and encouraging appearance. Our machinery, &c., is all in good working order to the 40 which will be failed to morrow, this value have for the delay in certing the pumps from the foundry; we expect the water will be out on Friday morning next, when the cutting of lodge, &c., will be resumed. The lode in the 30, west of the engine-shaft, is not looking quite so well as it has been, being disordered by a promising character, producing a little lead ore and blende; we intend driving this level beat week. The substite of the prospect of the prospect of the prospect of the prospect of

GUNNISLAKE AND SOUTH BEDFORD CONSOLS .- Wm. G. Gard, Feb. 21: We have not yet reached the cross-course in the 54, west of t. The rise in the back of the shallow adit is still worth 1 ton of ore

per fathom.

EAST ROSEWARNE.—John James, Feb. 21: There is no change to notice in King's shaft since last reported. In the 95, east of shaft, the lode is 1 ft. wide, worth 61, per fm., and promising for further improvement. In the 95, west of shaft, the lode is 14 in. wide, worth 81, per fm. In the 85 west the lode is unproductive. In the 85, east of Hallett's shaft, there are indications of improvement. The stope in back of the 85, east of King's shaft, over the silde, is worth 101, per fathom. The stope in back of the same level, under the silde, is worth 71, per fm. The stope in back of the 85, west of King's shaft, is worth 81, per fm. The stope in back of the 75, east of King's shaft, is worth 61, per fm. In the 43, driving east of King's shaft, on the engine lode, the lode is 2 feet wide, of a promising character.

SNAEFELL.-Wm. H. Rowe, Feb. 19: I find a great improvement to-EAST SNAETELL.—Wm. H. Kowe, reb. 19: 1 Ind a great improvement to-day in the lode at Giencherry shaft; the gosean and lead which came in from the south about a week ago now extend aimost to the north end; the lode has also widened to nearly afte, and the ground is easier for sinking. The lead is as yet in detached lumps and irregular joints, but the whole lode is being put aside for dressing. It is, indeed, a handsome looking head vein in every respect, and should it go on to improve in depth, as it has promised from the first, and is now more than everlikely to do, the company are unquestionably in possession of a very valuable property.

is now more than ever likely to do, the company are unquestionably in possession of a very valuable property.

EAST ST. JUST UNITED.—R. Pryor. R. Wearne. W. White, Feb. 20: The lode in Phillips's engine-shaft, sinking below the 20, is producing a little tin, but not sufficient to value. The lode in the 20, south of shaft, is a ft. wide, and worth 31, per fm.; ground easy fordriving.—Western Mine: The lode in the engine-shaft, sinking below the 76, is improved, and now worth 141, per fm., with a good appearance. The lode in the 75, west of shaft, is worth 31, per fm. for the part that we are driving, and there is still more idea standing to the mouth of the level.—Buck Lode: The lode in the 62, east of cross-cut, is worth 31, per fm.—Owl Lode: The lode in the 20, south of Savaul's lode, is worth 31, per fm., and the ground getting more settled. The lode in the 20, north of shaft, is still worth 31, per fm.; in the lode in the 30 in the 10 north is worth 81, per fm.; The lode in the 30 in the 10 north of shaft, is the lode in the 30 in the staken down in course of the total standard to the south of the lote when the skeet low in course of the total standard to the south of the lode in the laken down in course

of a short time. The lode in the winze sinking below this level is worth 101. per fathom. All other places are without change to notice since our last.

EAST WHEAL LOVELL.—R. Quentrall, Feb. 13: North Lode: The stope in the back of the 45, west of new shaft, is worth 151, per fm.; stoping by two men and two boys, at 51, per fathom. The eastern stope is worth 301, per fm.; stoping by six men, at 81, per fathom.—South Lode: In the western end of shaft, below the 40, the lode is worth 301, per fm.; stoping by six men, at 81, per fathom; stoping by six men, at 71. los. per fathom; east it is worth 201, per fathom; stoping by six men, at 71. los. per fathom; east it is worth 201, per fathom; stoping by six men, at 71. los. per fathom. The western stope at the 40 is worth 401, per fm.; stoping by six men, at 61. Der fathom. In the end driving east from this stope the south part of the lode is 2½ ft. wide, worth 152, per fm.; driving by six men, at 61. per fathom. It think from the dip of the tin west of shaft, below the 40, that we shall have some fathoms further to drive west of cross-cut at the 60 before we intersect the run of tin ground. On the whole, the mine is looking well.

— R. Quentrall, Feb. 20: The mine throughout is much the same as last week. EAST WHEAL RUSSELL.—J. Richards, Feb. 20: In Homersham's shaft; in the 140 fm. level cross cut north there is now elvan of a favourable nature, which looks well for the north lode, as hitherto in connection with theelvan in the upper levels the greatest deposits of ore have been found. In the 140 east, and cast of Roberts's cross-cut, the north or cre-bearing part of the lode has not been taken down since the date of my last report, the very soft nature of the ground and the great flow of water coming away from the slide rendering it very difficult to explore; fair progress is now, however, again being made, and we hope by the end of the present week, or the beginning of next, to be able to take down the main part of the lode, and have every reason to believe it wi

I have every reason to believe it will prove to be as good as last valued—251. per fm. In Friend's stope, in the bottom of the 130 east, the lode is worth \$1. per fm. In the trial shafts, sinking on the north lodes, the lodes were the first per fm. In the trial shafts, sinking on the north lodes, the lodes present a favourable appearance.

FRANK MILLS.—J. P. Nicholis, J. Cornish, F. Cornish, Feb. 20: The 145 plat is completed, and the men are now engaged driving the cross-cut west to intersect the lodes; the ground is easy, and good progress is being made. The west lode, in the 130 north, is 1½ ft. wide, and yielding from 4 to 5 ewts of rich lead ore per fathom. In the cross-cut west from the 130 north, on the east lode, we have gone through another part of the lode, which is 2 ft. wide, and will yield 4 ewts. of lead ore per fathom. In the cross-cut east from the 115 north, on the west lode, we are still passing through branches or parts of the lode, consisting of whiteiron, quartz, and a little lead ore disseminated, but not to value. There has been no lode taken down in the 100 north since my last report. The stopes and all other operations throughout the mine are without any change.

FURSDON.—J. Collins, Feb. 20: The 31 east at present is poor, and the ground harder than it was last week. The rise being holed to the 21 fm. level, and on the south part of the lode, we are now cutting through the lode to the north, a few feet below the level, to prove the north branch of the lode, seen in the level, where there is a good branch of ore. The stuff is not all cleared from the 31 fm. level, under the rise, therefore we have not as yet commenced driving west on the lode at this level. The ground in the winze, in bottom of the 11 east, is unsettled, being interrupted by the cross-course; west of winze, in the 11 fm. level, dlpping east, it is come in the winze; west of it, we have a small branch of ore, both north and south; the ground is easy for progress. The ground in the end, at the 11 east, is the fly greensto

in the old part of the mine are yielding on an avgrage 12 cwts, of lead ore to the fathom.

GREAT CARADON.—F. C. Harpur, Feb. 16: Our operations since the last meeting have been confined to the driving of the 72 cross-cut south of engine-shaft: the ground, I regret to say, has for the greater part of this period been rather hard and troublesome for exploring, letting down a quantity of water, which has slightly retarded our progress; however, our best endeavours are being put forth to push the level onward towards the lode which we passed through in the 69 over, the point where we broke some splendid stones of ore, as fast as possible. The ground in the 72 cross-cut is now a shade softer than it has been, traversed by veins of quartz, intermixed with mundic and spots of copper ore. The engine and pitwork are all in good working order. I can only again say that our future operations shall be pushed on as fast as we possibly can, with due regard to economy.

ay that our future operations shall be pashed on as fast as we possibly can, with eregard to economy.

GREAT MONA.—Join Trewin, Feb. 18: The lode in the deep adit level, which noists of a very kindly quartz, continues to produce good stones of lead and opper ore, and is altogether of a very promising character, and there are indi-tions of a further improvement.

GREAT NORTH DOWNS.—Wm. Rich, C. Bawden, Feb. 20: We are urging on the different places of operation as fast as possible, but there is no alteration in me mine worthy of notice since our report for the general meeting, which was eld last week.

cations of a further improvement.

GREAT NORTH DOWNS.—Win. Rich, C. Bawden, Feb. 20: We are urging on the different places of operation as fast as possible, but there is no alteracion in the mine worthy of notice since our report for the general meeting, which was held last week.

GREAT NORTH LAXEY.—R. Rowe, Feb. 19: The engine-shaft is now 17 ft. below the 82; the lode in the bottom is about 2 ft. wide, and within the last few days looking altogether better; we have more lead in the lode, and have tapped a fresh feed of water, which we consider to be a good sign. If the 82 north the lode is about 3 ft. wide, and continues to be worth fully 1½ for of lead per fm. The lode in the 72 north is at present hard and poor. The stopes in the roof of this level are worth about 15 cwts, of lead per fm. In the 72, driving south, the lode for some time has been split and disordered, but we now appear to be near a change for the better. The stopes in the roof of the 66 north are worth about 3½ ton of lead per fathom, and those in the same level south about 1½ ton per fm. GREAT RETALLACK.—George R. Odgers, John Harris, Feb. 20: The lode in the adit south is from 15 to 18 in. wide, composed of friable quartz, with stones of lead, but not in sufficient quantities to save, although a very kindly lode indeground this week, because we have put on all the force we had to get round the engine, and which we intend working next Monday.

Feb. 21: The engine will be put to work on Monday next, and we shall then be able to sink the shaft on both lodes, and we feel pretty confident that we shall be able to a sink the shaft on both lodes, and we feel pretty confident that we shall be able to announce a good improvement in the No. 2 shortly after, as the lode in the shaft present all the indications for a bunch of lead at no great depth. We have store the shaft to sink 10 fms, for 861, so the casy nature of the ground on the No. 1 lode, with stones of rich silver-lead in the adit, in which we find strong carbonates, that this will lead to in the 17s, about 13 fms. east from Ivey's shaft, is 1 ft. wide, worth 10s, per fm.; we expect this winze will be about level with the 18s, west from Metal shaft, this month, when we propose to drive to communicate. The stopes in this part of the mine are looking remarkably well, generally yielding double the quantity of tin per fathom than produced in driving the levels. At Metal shaft the necessary preparations for sliking below the 29d will be completed this week, when it will be immediately resumed. There has been no lode discovered in the 29d fm. level cross-cuts north or south; having a wines sinking below the 19d, on a small lode underlying very flat, we propose suspending the cross-cut for the time, and prove by this winze where to find the course or lode now in the winze in the 29d. The lode in the 19d west is 2 feet wide, a very kindly lode, producing some tin, buthot to value; this end being now under the No. 3 winze, below the 18d, we propose at once to communicate, and thereby prove on which part of the lode we have driven on, the lode and branches in the winze being very wide and good. The lode in the rise above the 18d end east, close to the end, is 3 ft. wide, worth 30d, per fm., a very kindly lode, and is proving a large piece of profitable ground. The lode in the 17d east is 2 feet wide, worth 30d, per fathom. The lode in the 16d east from Ivey's, on the new south lode, we have a large strong lode, full 3 ft. wide, producing rich stones of copper ore; we have a large strong lode, full 3 ft. wide, producing rich stones of copper ore; we have a large strong lode, full 3 ft. wide, producing rich stones of copper ore; we have a large strong lode, full 3 ft. wide, producing rich stones of copper ore; we have a large strong lode, full 3 ft. wide, producing rich stones of copper ore; we have a large strong lode, full 3 ft. wide, producing rich stones of copper ore; we have a large strong lode, full 3 ft. wide, producing rich stones of copper ore; we have a large strong lode, full 3 ft. wide, producin worth 9%, per fm.; and the lode in the in north is worth 9%, per fm.; and the lode in the in north is worth 9%, per fm.; and the lode in the first in a state of the interest of the interest

dered, timber is also sawn for buckets and backing, and the overhauling of the saw machine is going on with, and if we can have the castings, I think it about a same, which we will set to work as soon as possible with our present start. For publication—Nie. A colking better than when we stay out in its report of the publication—Nie. A colking better than when we stay out in its report of the publication—Nie. A colking better than when we stay out in its report of the publication—Nie. A colking better than when we stay out in the publication—Nie. A colking better than the content of the publication—Nie. A colking better than the content to the publication—Nie. A colking better than the colking

s in back of this level is producing a tons or ore per rathom. In place in level, west of shaft, has within the last 6 feet in driving undergone a very irable change, and is now yielding 1 ton of ore per fathom, with a good arance. The ground in the 110, east of shaft, is a little more favourable riving, and the lode is of a more promising character. In the 100, east of , we have just met with a small cross-course, which has disordered for the the lode; but the last 10 fathoms in driving this end has been in a good of ore. The lode in the rise in back of this level is worth 3 tons of ore per m. The lode in the 77 east is looking a little better, and is producing good soft ore. All other places without change.

lode of ore. The lede in the rise in back of this level is worth 3 tons of ore per fathom. The lode in the 77 east is looking a little better, and is producing good stones of ore. All other places without change.

NORTH WHEAL ROBERT,—W. Godden, Feb. 21: The main lode in the 62 east of Murchison's shaft, is looking more promising than for some time past, being composed of capel, quartz, prian, flookan, mundle, and a little copper ore. OLD GUNNISLARE.—H. Rickard, Feb. 29: At Parker's the lode in the 43, both east and west from shaft, remains without alteration, producing spots of red oxide and grey copper ore; the men are making good progress in driving. The water is not quite so quick to bottom as last week.

PEDN-AN-DREA UNITED.—Wn. Tregay, J. Thomas, Feb. 16: Sump: The 140 north cross-cut is still hard for driving; about 8 ft. further to drive to reach the lode. In the 130 west end the lode is worth 44, per fm. for 6 ft., no north wall. The lode in the stope in bottom of this level is worth 35, per solid fathom, and is 12 ft. wide. The stope in the back of this level is worth 20, per solid fathom, and is 12 ft. wide. In the 120 west end the lode is improving in appearance, now worth 53, epr fm. In the 120 fm. level rise the lode is worth 10, per fm. In the 100 east end the lode is worth 84, per fm.—Cobbler's: The lode in the bottom of this shaft is worth 16, per fm, for breakth, 10 ft. In the 110 west end the lode is worth 84, per fm.,—Cobbler's: The lode in the bottom of this shaft is worth 16, per fm, for breakth, 10 ft. In the 110 west end the lode is worth 84, per fm.—Cobbler's: The lode in the coming week; the lode is appearance, and likely to give a good produce in the coming week; the lode is at present yielding a little cobalt of good quality. The mine is, on the whole, improved compared to any time within the last month, and the first ampling, which had fallen off considerably, we expect to bring up to the usual quantity.

PENIALE WHEAL AL VOR.—W. Chappell, W. H. Martin, Feb. 21: We shall

the finder, and the consampling, which had failed to considerancy, we capeed to bring up to the usual quantity, to bring up to the usual quantity, see Sanford's shaft to sink below the 74 on Friday, being our pay and setting-day. The favourable charge in the underlie of the lode in bottom of shaft induces us to believe that we shall have a good course of the in sinking a few

quartz, tin interspersed throughout, and letting out a great quantity of water, and we have every expectation of meeting with a course of tin in this level. The men are making good progress in driving the cross-cut south in the 64, to cut Penhale lode. The new lode in the 38, west of Battye's shaft, is 2 ft. wide, producing good work for tin. The men are making good progress in driving the cross-cut south in the 26, to cut new south lode, which we expect to intersect in the course of a fortnight, and, from the value of the lode in the 38, we have the course of a fortnight, and, from the value of the lode in the 38, we have every reason to expect to meet with satisfactory results in the 26, after which we shall lose no time in cutting the same in the 10, so as to lay open a new mine we shall lose no time in cutting the same in the 10, so as to lay open a new mine with the continuation of the course of the same in the 10, so as to lay open a new mine which is the course of the same in the 10, so as to lay open a new mine we shall lose no time in cutting the same in the 10, so as to lay open a new mine warrah lode; in fact, our last sale of tin for three weeks has been principally from the lode in the 38. The lode in the winze sinking below the 38, on Parkford the cross-cut south in the 74, from Hollingsworth's shaft, in about three lode in the cross-cut south in the 74, from Hollingsworth's shaft, in about three lode in the cross-cut south in the 74, from Hollingsworth's shaft, in about three or four weeks from this time. The lode in the 74, east of same shaft, is 2½ ft. wide, with a little tin disseminated through it. We sold, on Tuesday last, 4 tons 0 cwts. 1 qr. 20 lbs, of black thi; price, 53, per ton.

PRINCE OF WALLES, -J. Gifford, Wim. Gifford, Feb. 19: In the 55, both east and west, the lode is worth full 352, per fm.; in the former a branch on the south side is producing ore of rich quality; a stone from it assayed produce 1736. We thought it advisable to suspend operations in the 55 cross-cut north unti

&c., as in the level as a second seco

elebrated old mine. On Tuesday, the 17th proximo, we shall sample 16 tons of lead ore.

ROSECLIFF AND TOLCARNE.—J. Phillips, Feb. 20: The ground in the 30 cross-cut is a little more easy for driving, and by the end of the month I hope we shall cut No. 5 lode. The end on No. 4 lode, going east, is easier for driving also, and the lode making more upright, which is in favour of making lead. The lode going west is worth 20t. Per fathom; the lead part of the lode is 10 in. wide, yielding good work. This lode is so strong that it has has held on good completely through the elvan course, which is now cut through. In driving east on No. 1 lode we have met with a slide, which has heaved the lode; however, should we not meet with the lode just directly, we shall drive on direct, if posible, for the old level. By what I hear, the two levels are about 10 fms. apart. I hope in another week to have still better news to tell you.

ROSEWARNE CONSOLS.—J. Nancarrow, R. Knuckey, Feb. 16: The ground in the 100 east is moderate, and the men have not been hindered much by the water being in this week. We have not broken any lode in the stopes above the 90 or 80 since the setting. The lode in the 80, west of sump, is split; we are making fair progress in driving. The 70, west of sump, has improved; the lode has a good appearance, and yields stones of ore. Carthew. W. Tenby.

pitches.
EWARNE UNITED.—T. Richards and Son, E. Carthew, W. Tenby, OSEWARNE UNITED.—T. RICHARDS and SON, E. CARDIEW, W. Tenby, 21: The 96 fm. level ends, east and west, are suspended, the men being aged in sinking a winze below the 80 to communicate with and ventilate 99. The 80 wast contains a ltttle good copper ore. The 70, west of the ensemble is worth 51, per fm. The 50, east of cross-cut, on the north lode, has east of a now worth 51, per fathom. We have weighed off the copper that was sold on the 7th inst. to the purchasers. It weighed 134 tons 6 cwts.,

improved, and is now worth 50, per fathom. We have weighed 134 tone copies ore that was sold on the 7th inst. to the purchasers. It weighed 134 tone copies, amounting to 8351, 15s. 1d.

SORTRIGGE CONSOLS.—R. Jackson, Feb. 21: At Hitchins's engine-shaft the men are engaged in fixing plunger-lift at the 122. In Scoble's stopes, in the back of the 40, cast of Rowe's rise, on the south part of the main lode, the lode is 1ft. wide, worth ½ ton of good ore per fm. There is no other change. SOUTH CONDURROW.—J. Vivian and Son, W. Williams, Feb. 16: In King's shaft, sinking below the 61, the south part of the lode in which the shaft is being sunk is 5 ft. wide, and presenting a better appearance than when we commenced staking; it is also getting more favourable for progress. There is a strong lode standing south of the shaft from which a very large volume of water is issuing, but we shall not be able to ascertain its size and nature until we reach the 71 fm. level, when we shall completely cut through it. In a week we expect to be ready to commence driving the 61 fm. level, it being necessary to put in a penthouse in King's shaft first. In the 51, east of King's shaft, the lode is smaller than it has been, being now 3 ft. wide, but it continues to present a very promising appearance, and is producing a little yelow copper ore of rich quality. In the 40, west of Vivian's shaft, the lode is 1ft. wide, and producing copper ore occasionally. In the 20, west of Vivian's shaft, the lode is composed of quartz and gossan. Old Tye shaft is now down 1654 fms. below the deep alit, and we expect to communicate it with the 20 fm. level in about a week.

SOUTH DARKEN.—J. Boundy, Feb. 16: I am sorry to inform you that the

fms. below the deep adit, and we expect to communicate it with the 20 fm. In about a week.

OCTH DARREN.—J. Boundy, Feb. 16: I am sorry to inform you that the wing-machine chain broke on Friday last, and did much damage to the shaft; spelt will be all right to-day, and commence to draw again on Monday next, water is in fork to the 60, and the men have again resumed operations, ing the week a portion of the lode has been taken down; it is composed of a k clay-slate, copper, and lead ore, and altogether the lode is of a more propagal masterly character, so that I am induced to think from the ore und which has been passed through in the level over this point, that a more under issuing from this than we have ever before had. All other places are much the same as when respected.

ted. HERODSFOOT.-W. Goldsworthy, Feb. 21: The ground in the cross in the 86 is favourable for progress, and verypromising for mineral. In the 66 is favourable for progress, and verypromising for mineral. In the 6 ft. driving we have met with a small branch, containing flookan and spendie, and dipping towards the lode. The engine and pitwork are in goo

and apping well.

WHEAL GRENVILLE.—G. R. Odgers, Wm. Bennetts, Feb. 16: We annge to report in either of the ends at the 20 fm. level this week. We gereparations to commence to sink the shaft again, and which we in a few days.

KE.—Feb. 20: New North Lode: The lode in the 60, west of cross-

e to de' ln a few days.

OLCARNE.—Feb. 29: New North Lode: The lode in the 60, west of crossls 2 ft. wide, consisting of spar and gossan, and good stones of ore. The
in the 50, west of cross-cut, is 1 ft. wide, producing ½ ton of ore per fathom,
lode in the 40, west of cross-cut, is 1 ft. wide, producing 1 ton of ore per fm.
lode in the vinze sinking below the 50 the lode is small and poor. In the
level cross-cut south we have four men employed to push it on as fast as
ble.

fathom. In the winze sinking below the 50 the lode is small and poor. In the adit level cross-cut south we have four men employed to push it on as fast as possible.

TREVENEN AND TREMENHEERE—J. Medlyn, C. George, Feb. 19: The 157, cast of Trevenen's shaft, yields a little tin, but not of much value; the stope in the back is worth 61, per fm. The 172, cast of the above shaft, is poor. The 162 cast is driving in the country, the lode yields a little tin, but not in sufficient quantity to value; the lode in the winze a-head of the latter level was worth 204, when last taken down. The 150, cast of old east shaft, yields a little tin, but not to value; however, we are daily expecting an improvement here; the stope in the back is worth 121, per fm. The intermediate level over the latter stope is worth 204, per fm, and it is expected to be cut in the 150 fm. level end shortly. No. 1 stope in the 125, east of old east shaft, is worth 181, per fathom; No. 2, 121, No. 3, 74, No. 4, 74, and No. 5, 64, per fathom.

TREWEATHA.—T. Foote, J. Scobel, Feb. 29: The water at the north shaft is now about 2 fms, above the back of the 40, and is forking slowly. We are not able to do anything in the 30 north, as there is no ventilation from the 40. The only place that is working in this part of the mine is the winze in bottom of the 30 south, where the lode is 3 ft. wide, producing 4 cwts, of lead per fm.—South Mine: We are still driving by the side of the lode in the 73 south, and from its appearance it is likely to be found more productive when taken down. The cross-cut at the 63 west is still in the elvan, and the ground is more favourable for progress; distance driven since the commencement, 145 fms. Tribute pitches without change. The engine and pitwork all 10 good order, and working well. VIGRA AND CLOGAU.—W. J. Colman, Feb. 21. Since last report visible gold has been broken daily from the lode in stope west of No. 1 shaft, No. 2 Mine; the lode looks well, and with every prospect of a continuous yield of gold. The stope in back last reported. The other places at Nos. 1 and 2 Mines are without change. At the reduction works the stamps and other departments are working well, also the branch line of railway to No. 2 Mine. Gold received at the office since last reported. 74 org. 19 dwis. 3 grs.

the branch line of railway to No. 2 Mine. Gold received at the office since last reported, 74 ozs. 19 dwts. 3 grs.

WALKHAM AND POLDICE.—J. Lean, Feb. 15: In the 50 cross-cut west we appear to have got through the main part of the lead course, which is in this place very large, full 18 feet wide. The ground in the present end consists of killas, intermixed with spar, mundle, and peach, very congenial for mineral. I expect soon to get into a settled country, when we shall make greater progress towards the object we are in pursuit of—a copper lode. Having discovered a branch or lode on the east side of the lead lode, producing good stones of copper ore, I have put two men to cut through the lead lode east, in the 50 south, for proof of the same; I have also put two men to open on the same branch in the 38, south of shaft. It is very probable that this is the point of a copper lode, and I hope will lead to something good.

WEST FASSET.—G. Lightly, Feb. 20: The following tutwork bargains were set on the 15th inst.:—Grenville's Shaft: The 15t to drive east by six men, at 7t. 10s. per fim.; lode 1½ ft. wide, still disordered by the cross-course. The 15t to sink under the 144, west of shaft, by four men, at 5t. 10s. per fim.; lode 1½ ft. wide, saving work for tin. The 15t to drive east on the middle lode, by four men, at 5t. per fim.; lode 2 ft. wide, saving work for tin. The 15t odrive east on the middle lode, hop two men, at 3t. per fim.; lode 1½ ft. wide, saving work for tin. The 75t odrive east on ditto by two men, at 4t. per fin.; lode 1½ ft. wide, saving work for tin. The 75t odrive east on ditto by two men, at 4t. per fin.; lode 1½ ft. wide, saving work for tin. The 75t odrive east on ditto by two men, at 4t. per fin.; lode 1½ ft. wide, saving work for tin. We expect to west on ditto by two men, at 5t. per fin.; lode 1½ ft. wide, yielding 1 ton of ore per fin. A winze to sink under the 14th winder the 14th of the per fin.; lode 1½ ft. wide, yielding 1 ton of ore per fin. A winze to sink under the 14th of the pe

for tin, and also a little ore. The 124 cross-cut to drive north by six men, at 81, per fm. The 75 cross-cut to drive south by six men, at 91, per fm. The 52 cross-cut to drive south by four men, at 81, per fm.

WEST CWM ERFIN.—Feb. 19: The lode in the adit, east of engine-shaft, is 2 ft. wide, composed of spar, blende, and clay-slate, with strings of lead ore, and promising for improvement. Nothing of importance has yet been met with in the cross-cut snorth and south from the adit level. The cross-cut north is set to four men, at 61. per fm., and the cross-cut south to six men, at 61. 2s. 6d. per fm.; here we have put in two men more, in order to push on this point as fast as possible to intersect the south lode. The south lode, east of shallow cross-cut, from the side of the hill, is 2 ft. wide, and of a promising appearance, yielding good blones of lead or at times.

WEST GREAT WORK.—G. M. Henty, Feb. 15: This mine is situated on the western slope of Godolphin Hill; the situation is a good one, and the strata cwerything that can be desired for the production of mineral. The flat-rod shaft is sunk to the 40, from the 8 downward, on the course of the lode, which is about 2½ ft. wide, producing stampling work: the men are just preparing to drive east and west at this level. The 30 is driven east about 30 fms., on a strong, well-defined lode, worth for the whole length from 8t. to 10. per fm. The tin lode in this end is worth 8t. per fm., and the copper lode, which intersected the tin lode on the north side a few fathoms from the end, has since run parallel with it, and producing for the whole length from 8t. to 10. per fm. The till lode averaging about 18 in. wide. The end driving west on copper lode from junction is in about 2 fms., showing a good lode, 15 inches wide, and producing 2½ tons of ore per fm. These points are very important for a good run of copper and tin ground. In the 30 west the lode is 2 ft. wide, and worth 7t. per fm. for least 15 fms. driving; a cross-course is just cut through in this end,

scope in another thatfur is stamped very cheaply by a water-stamp with 12 heads, sold, per tons, 200, per month profit, besides the copper ore. This opposite for itself, and when the lode is opened on at the 40, if equal in value to the 30, it must soon give good profits—P.S. I should say they have got 2000.

WEST GREAT WORK.—S. J. Reed, Feb. 20: The flat-rod shaft is down to the 40, and the men are now engaged dividing and casing the shaft, sking ladderload, Se. Next week we shall commence driving at this level; the lode has the 30 miles of the 10 miles of the 10 miles with the 40, and the men are now engaged dividing and casing the shaft, sking ladderload, Se. Next week we shall commence driving at this level; the lode has the 30 miles of the 10 miles with the 40 miles with

WHEAL SPARNON.—Wm. Tregay, E. Chegwin, Feb. 16: Jardine's Shaft: The stope in back of the 60, on Pulsford's lode, is worth 12!, per fathom for tin; working at this level still irregular from the influx of water. In the 20 rise the lode is unproductive, and is suspended.—Old Sump: The lode in the whize in bottom of the 45 east, on north lode, produces good stones of copper ore; this end also produces good stones of copper ore, and we expect that to get it regularly productive we have only to extend a few fathoms beyond the cross-course; driving at 50s, per fm. In the 45, west of cross-course, on north lode, the lode produces good stones of copper ore and some tin—a very promising lode, and ground favourable for driving. The lode in the 60, west of Belfry shaft, is worth 151, per fathom; ground favourable for driving. The south tin lode, in the 45 east, is still small, producing good quality tinstuff. We have set a pare of men to clear the 40, east and north of old sump-shaft, in order to see the north lodes at that level, and to ventilate the 45 to facilitate the driving there. We believe these to be very important, deserving more rapid development.

WHEAL TRELAWNY.—Cants. Wm. Johns. Thomas Grenfell, J. Pryor: We

these to be very important, deserving more rapid development.

WHEAL TRELAWSY.—Capts. Wm. Johns, Thomas Grenfell, J. Pryor: We are progressing very satisfactorily with the cutting of the plat, &c., at the 210, in Trelawny's shaft, which we hope to complete in good time. We are still opening out good ore ground in the 162, north of this shaft; lode worth 251, per fathom. At the 210, at Smith's shaft, we consider we have entirely cut through the lode, and have now commenced to open out on its course; lode full 4f. wide, chiefly quartz, mixed up with spots of ore. No lode has been taken down in the 196, north of this shaft, since last reported on. The lode in the same level south, although in disordered ground, is 3 ft. wide—saving work. We have communicated the rise in back of the 108 with the 78, north of Chippendale's shaft, which has enabled us to layopen a good place of ore ground. We shall at once set some tribute pitches. We shall as ample (computed) 53 tons of crop lead ore.

WHEAL LINY—S. Goade, M. Rogers, Feb. 16. We are making but allow pro-

WHEAL UNY.—S. Coade, M. Rogers, Feb. 16: We are making but slow progress in the 130, east and west of engine-shaft, in consequence of the increase of water. The lode in the 120 east is not quite so good for tin; now worth 101, per fathom for tin. We expect to hole the rise in the back of the 120, east of shaft, to the 110 fm. level next week. We have holed the winze in the back of the 90, east of Goodinge's cross-course, and have put the men to stope the lode; worth for 6 ft. wide 201, per fathom.

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FOREIGN MINES.

ST. JOHN DEL REY.—The advices received are to Jan. 17. The produce of the stamps for the second division of December (10 days) was 14,562 oits., raising the produce for the month to 52,392 oits., or, deducting 215 oits., loss in melting, 32,087 oits.; which, at 78. 9d. per oit.—20,183l. 14s. 3d. From this must be deducted labour cost and other charges, 11,116l. 14s. 6d.: leaving profit for the month of December, 966d. 19s. 9d. The produce from the stamps for the first division of January, being a period of 11 days, amounts to 15,459 oits. It has been derived as follows:— Oitavas. Tons of ore. Oits. p. ton From General stamps. 9197 from 1197-6 7-679

"Herring ditto (Bahu) 3930 366-4 10-725

"Herring ditto, M. and W. Cachoeira 2332 370-6 6-289

Total 8196 1722·1 = 4·76

COST AND PROFIT.

Produce, 8196 olts., at 8s. 6d. per olt. £3483 6 0

Cost (Brazil and England) 1988 18 4

Profit £1494 7 8

ANGLO-BRAZILIAN GOLD.—Capt. T. Treloar reports—The produce for December amounts to 4538 oits. (= 524 ozs. troy), derived as follows:—
Victoria stamps . 3269 ...from 955 = 3°31 Dawson's Canoa, Buraco Secco, & Hesketh's stamps . 1023 ... 228 = 4'48 Buraco Secco. [killas. Fernando's stamps. 246 ... 216 = 1'13 Killas rubbish from Mina Grande Total ... 4538 ... 1429 = 3°17

Total 4538 1429 = 3·17 COST AND PROFIT.
 Produce, 4538 oits., at 9s.
 £2042 2 0

 Cost (England and Brazil)
 1775 16 8

This return exceeds that of last month by 297 oits. The yield of the Buraco Secos stone is good. The proceedings of the past month should be most satisfactory to all connected with the company. The produce is the largest we have yet had—the features of the mine most promising. Another body of auriferous lode has been struck in the deep adit, and the remaining fifteen heads of the Victoria stamps are nearly completed, thereby relieving us from a very heavy cost. The new fifteen heads of this fine machine will be put to work in the early part of next month.

second stone is good. The proceedings of the past month should be most satisfactory to all connected with the company. The produce is he largest we have yet had—the features of the mine most promising. Another body of auriterous we had—the features of the mine most promising. Another body of auriterous yet had—the features of the mine most promising. Another body of auriterous yet controlled the process of the stone of the product of the controlled the process of the stone of the product of the controlled the process of the stone of the product of the company to reach. An add again the process of the stone of the product of the company to reach. An add again the process of recent operations, it is very probable that the rich of the process of the process of recent operations, it is very probable that the rich of the process of the pro

there is any above the tevel. Figurette states and the second coloring quartz, then its shaft, the lode is 4 ft. wide, having in it a course of good looking quartz, I ft. wide, with a little mundle.

SAN ROQUE.—C. Remfry, Feb. 16: Monthly Report for January: No. 3 level, cast of San Francisco shaft, has been criven 8 varas 0 ft. 3 in.; the lode is productive, but not rich; the size and matrix of same lead us to hope daily for an improvement, at the same time it must be borne in mind that we are driving through a piece of ground entirely storile in No. 2 level. San Francisco engine-shaft has been holed to No. 3 level, and plat has been cut. San Francisco engine-shaft has been such 3 varas 1 ft. 6 in., or say to 19 varas 2 ft. below No. 3 level. No. 3 level, driving west of engine-shaft, has been extended 9 varas 1 ft. 9 in. in disturbed ground, which lets down a comparative large quantity of water. Segurra winze, in No. 2 level, west of San Francisco engine-shaft, stopped by reason of the water, has been resumed, and deepened 2 varas 1 ft. holing to No. 3 levelin a productive lode. No. 2 level, west of engine-shaft, stopped by reason ft. 9 in. in a productive lode; worth in the latter part of the month from 1 to 2 tons per fm. We hope in the course of this month to hole to the winze El Gordito, sinking from No. 1 level; it is to be ensure the sum of the lode is productive, and more regular than it is in the before-mentioned No. 2 level. No. 1 level; west of engine-shaft, has been extended 8 varas 1 ft. 6 in. In a productive lode, excepting the last 2 or 3 varas, when the lode became poor in a productive lode, excepting the last 2 or 3 varas, when the lode became poor in a productive lode, excepting the last 2 or 3 varas, when the lode became poor in a productive lode, excepting the last 2 or 3 varas, when the lode became poor in a productive lode, excepting the last 2 or 3 varas, when the lode became poor in the last contractive lode, excepting the last 2 or 3 varas, when the lode became poor in the last contrac

again. San Luis shaft has been deepened 2 varas 1 tt. 2 in., and No. 1 level commenced eastwards and extended 8 varas 2 tt. on a small but promising lode; the last few days this lode carries a string of pure galena of a bout 1 inch. If the driving continues favourable we hope to communicate to No. 1 level, driving west of engine-shaft, by the end of March. San Augustin shaft has been deepened 2 varas 1 tt. 3 in., or say to 19 varas 2 tt. 9 in. below No. 1 level, We have commenced No. 2 level, west of this shaft, in a productive lode. At this point, No. 2 level, San Augustin lode forms a junction with another small lode, that we cut in No. 1 level about 5 varas north-west of shaft. In consequence of this junction the lode in No. 2 level is larger and richer than hitherto; the level we have now commenced shows the lode in bottom of same worth from 2½ to 3 tons per fathom. Owing to the very heavy rains that have fallen in the course of the month we have not been able to draw and dress up the stuff broken underground, so that the ore weighed into store has not reached the amount estimated by 26 tons. In this month also my estimate must necessarily be low, consequent on the removing of the horse-crusher from the western to the eastern mine, during which time we can only send into store the prill ore. I hope, however, to get the crusher to work in the course of next month. My estimate in cost of bargains in leading workings and stopes, and the amount of produce attainable therefrom for February month, is as follows:—Produce 7000 arrobas; cost, 34,275 rls.; men, 85; or say 20 men in shafts and winzes to sink 11 varas, 32 men in levels to drive 52 varas, 28 men in stopes to spend 230 varas, and six men on tribute.

BRITTANY.—James Trevillian, Feb. 20: Tremuson Mine: The lode at the engine-shaft sinking below the 44 still continues large and hard, belog composed of capel, quartz, and lead, and will yield for the length of shaft 25 cwts. of lead per fathom. In the adit end, south of shaft, the toreach the aest and west l

the ground is more favourable for quartz. There are above the to reach the east and west lode, according to the underlie of, the lode seen at the surface.

CAPE COPPER.—Owing to the carrying season having expired, the chief agent had deemed it well to avoid immediate expenditure in raising ore, and had, therefore, confined the returns to the ores obtained from the dressing-floors, the yield from which was 148 tons for the month of December. The smelting-works had not been in operation during the month, owing to the imperfect state of the boiler to the blast-engine. There are now three blast-furnaces erected. The stocks of fuel at the works are 530 tons of coke and 142 tons of coal. During the last portion of the time that the furnaces were at work the consumption of fuel was reduced to 16 per cent. of the ore treated. The first instalment of convicts—40 men—had arrived in Namaqualand. The present steamer has brought 53 tons of ore, and bills of lading are to hand for following shipments:—Fer Ocean King, 510 tons of ore; per Glenavon, 220 tons of ore, 37 tons of metal, and 19 tons of regulus; per William Graham, 420 tons of ore,

WEST GREAT WORK.—A special report has been made upon this mine by Mr. G. M. Henty, of Great Wheal Vor. It is a young mine that has been quietly working its way, and is now assuming a position that has created considerable interest in the neighbourhood, and already attracted the attention of some of the leading mining men in London. The parent mine—Great Work—has for a long period been well known as a good dividend mine, producing the best quality tin in Cornwall, commanding always the highest market price. It e hoped that the indications in West Great Work may be followed by equal success.

Bosworthen and Penzance Consols.—The allotment of shares in this company has been made, and from the reports of Captains Richard Pryor and Hosking there seems to be but little doubt that, with a vigorous prosecution of operations, the mine will become very remunerative to the shareholders.

THE CREDIT FONCIER OF ENGLAND held its meeting on Monday, THE CREDIT FONCIER OF ENGLAND neid its meeting on aionax, and after a full discussion, in the course of which it was proposed (but the proposition received but little support) that seven additional directors should be added to the board, in order that the share-holders might be fairly represented in the management, the report was unanimously adopted, and Messrs. Maynard and Ford were re-elected auditors. Mr. Albert Grant, M.P., remarked that now, if ever, the directors are entitled to the thanks of the proprietors for their services during the past difficult half-year. He recommended the disaffected shareholders if they wished to get out of their dif-ficulties, to have a little more faith and credence. He concluded by reading extracts from some financial papers, speaking in the highest terms of the report and the company's prospects. The proceedings terminated with a vote of thanks to and confidence in the board, carried by acclamation.

PARKESINE.—In the Mining Journal of Nov. 10 reference was made to the value of a coarse collodion invented by Mr. Alexander Parkes. to the value of a coarse collodion invented by Mr. Alexander Parkes, of Coventry-road, Birmingham, applicable to an immense variety of useful purposes, and introduced at the Exhibition of 1862, under the name of "parkesine." Our notice has created great attention, in the United States especially, as the material isso well applicable, amongst other things, as a substitute for hard India-rubber, in connection with the supply of which there is at present a most unfavourable feeling existing between the manufacturers and consumers. There is a fine field for the introduction of parkesine, particularly as it is claimed that the material can now be produced at a few pence per pound; and the samples shown at the forthcoming Paris Exhibition will illustrate the great variety of purposes to which it may be put. There will be specimens as hard as stone, and as flexible as India-rubber, but possessing advantages over both, because superior to the action of water or heat. Parkesine can be produced in any known colour, as white as ivory, as black as ebony, or as beautifully tinted as a topaz or an amethyst. It can be made to carve like a stone, or receive the impression of a die. ceive the impression of a die.

GEOLOGICAL SOCIETY OF LONDON.—The annual general meeting was held on Feb. 15, when Mr. Warington W. Smyth, the President, announced the award of the Woolaston Gold Medai to Mr. G. Poulett Scrope, M.P., F. R.S., in recognition of the highly important services he has rendered to geology by his examination and published descriptions of the voicanic phenomena of central France, and by his works on the subject of volcanic action generally throughout the world; and in handing the medai to its distinguished recipient he bore personal testimony to the accuracy of his descriptions and the soundness of his conclusions, and observed that, however much theoretical views may change with the advance of our science, he felt assured that Mr. Scrope's name would remain linked with the study of this important class of the agencies which modify the surface of the earth. Mr. Poulett Scrope, on receiving the medal, expressed his gratitude to the President and Council for this recognition of his early labours. The President then stated that the balance of the proceeds of the Wollaston Donation Fund had been awarded to Mr. W. H. Bailly, F. L.S., F. G. S., to assist him in the preparation and publication of an illustrated Catalogue of British Fossils: and, in Mr. Baily's absence, placed it, together with a diploma to that effect, in the hands of Sir R. I. Murchison, Bart., K.C.B., &c. Sir R. I. Murchison, in thanking the Council on behalf of Mr. Baily, remarked upon the conformity of this particular award to the design of the late Dr. Wollaston in establishing the Donation Fund.

The President then proceeded to read his Anniversary Address, in which he discussed some of the most important contributions to lithology and mineralogy during the past few years, prefacing it with biographical notices of lately decased fellows, foreign members, and foreign correspondents, among the most distinguished of which may be mentioned Wm. Hopkins, the Rev. Dr. Whewell, P. N. Johnson, G. W. Featherstonhaugh, James Smith for Jordan Hill), Charles Moerl

LONDON ASSOCIATION OF FOREMEN ENGINEERS.—The annual dinner of this association was held on Saturday, at the Freemason's Tavern, Queen-street, Mr. E. J. Reed, Chief Constructor of the Navy, in the chair. Among the guests at the principal table were Mr. Joseph Newton, of the Royal Mint, Fresident of the Association; Major Palliser, Capt. Nolloth, R.N. Dr. Woolley, Mr. Chetwynd, Mr. John Penn, Jun., Mr. Ravenhill, Mr. J. Keith Rennie, Mr. Joshua Field, Mr. Telford Field, Mr. Edward Humphrys, Jun., Mr. Blyth, and numerous other representatives of large engineering establishments. In proposing the toast of the evening, the Chairman explained that the sole objects of the association were the diffusion of scientific knowledge among its members and the provision of pecuniary aid in sixhness and old age. The presence of so large and influential a body of employers showed that not rade politics or other subjects of the consideration of this purely scientific and benevolent association. He was happy to be able to congratulate the company on the steady and rapid progress which the society is making.—Mr. Newton (President) in responding, said that the eloquent speech which had just been heard left but little for him to say. Mr. Read had regarded the association with favour for many years, and had been its friend through good and evil report—in foul weather, and in fair. He knew its alms, its objects, and its aspirations, and in the remarks which the Chairman had made he had faithfully pourtrayed these. The mostlety possessed two bases—the one being Benevolence, and the other Science. It sought to assist in age and infirmity those of its members who needed assistance, and to promote practical knowledge among such as were holding the part ance, and to promote practical knowledge among such as were holding the part and, and concluded by proposing "Prosperity to the Employers of Engineering is LONDON ASSOCIATION OF FOREMEN ENGINEERS .- The annual

Labour," in conjunction with the names of Messrs. Robert Mallet, Joshua Field, J. K. Rennie, and Charles Barclay. This toast was enthusiastically received, and most admirably responded to by the gentlemen referred to. Two hundred and fifty gentlemen were present, and the contributions to the Superannuation Fund amounted to 100l. 12s. 8d.

The Mining Market; Prices of Metals, Ores, &c.

METAL MARKET-LONDON, FEB. 22, 1867.

COPPER. £ s. d. £ s. d.	IRON. Per ton.
Best selectedp. ton 84 0 0- 86 0 0	Bars Welsh, in London 6 7 6-6 10 0
Tough cake and tile 81 0 0-82 0 0 Sheathing & sheets, 85 0 0-86 0 0	Ditto, to arrive 6 10 0
	Nail rods 7 0 0-8 0 0
Bolts 90 0 0- — Bottoms 91 0 0- —	" Staffd. in London 7 15 0- 8 10 0
Old (Exchange) 72 0 0-	Bars ditto 7 15 0- 9 10 0
	Hoops ditto 8 15 0- 9 15 0
Wire 85 0 0 Wire per lb. 0 1 01/2	Sheets, single 9 10 0-11 0 0
	Pig No. 1, in Wales 4 5 0- 4 10 0
	Refined metal, ditto 4 0 0-5 0 0
BRASS. Per 1b.	Bars, common ditto 5 10 0-6 0 0
Sheetsper lb. 10d	Do. mrch. Tyneor Tees 6 10 0
Wire ,, 9d	Do., railway, in Wales 5 5 0- 5 10 0
Tubes ,, 11d	Do., Swed. in London. 10 5 0
	To arrive
Yellow Metal Sheath.p. lb. 7%d	Pig, No. 1, in Clyde 2 14 6- 3 6 6 Do. f.o.b. Tyne or Tees 2 9 6-
Sheets ,, 7 8d	
SPELTER. Per ton.	Do. Nos. 3,4,f.o.b.do. 2 6 6-2 7 0 Railway chairs 5 10 0-5 15 0
Foreign on the spot 21 0 0	spikes11 0 0-12 0 0
,, to arrive 21 5 0	
	Indian Charcoal Pigs,
ZINC.	in London p. ton 7 0 0- 7 10 0
In sheets 28 0 0	STEEL. Per ton.
TIN.	Swed., in kegs(rolled)14 0 0-14 10 0
English blocks 90 0 0	., (hammered) 16 0 0-16 10 0
Do., bars (in barrels) 91 0 0	Ditto, in faggots16 10 0-17 10 0
Do., refined 93 0 0	English, spring19 0 0-23 0 0
Banca 88 0 0	QUICKSILVER (p. bottle) 6 17 0- 7 0 0
Straits 85 0 0	LEAD. Per ton.
TIN-PLATES.* Per box.	a cr com
TO Chamaral to a second	English Pig, com19 10 0
IX Ditto, 1st quality 1 18 0- 1 19 0	Ditto, ordinary soft. 19 10 0
IC Ditto, 2d quality 1 8 0-	Ditto, LB
IX Ditto, 2d quality 1 14 0-	Ditto, WB22 5 0
IC Coke 1 4 6- 1 6 0	Ditto, sheet20 10 0
IX Ditto 1 10 6- 1 12 0	Ditto, red lead21 5 0 Ditto, white27 0 0-30 0
Canada plates, p.ton 13 10 0-	Dista waters abot on a
The state of the s	Ditto, patent shot23 0 0

Ditto, at works 12 10 0- Spanish 19 0 0-* At the works, is. to is. 6d. per box less.

REMARKS.-No improvement has been manifested in the Metal Market during the past week, but it has continued to present an ap pearance of renewed dulness and inactivity. The animation which there was in the market during the last month has entirely disappeared, and it has again relapsed into a very unsatisfactory condition; we trust, however, that this state of things will be only temporary, and that as the spring advances we shall find business again resuming a state of activity. At the present moment consumers will only buy to satisfy their immediate requirements, and merchant orders are only given out very sparingly. This, we presume, is done in anticipation of lower prices ruling ere long, but in this we think they are in error, as in the event of a demand springing up shortly (and there is not much doubt this will be the case) prices are sure to become firmer, and in all probability will advance, as they are now, in the cases of several metals, much below the average; and it may fairly be calculated that, as the effects of the last year's panic are wearing off, commercial matters generally will be pursued upon a sounder basis, and that altogether a better state of things will be established; the consequence of which will be, as far as the metal market is concerned, that prices will advance from the low point they have now reached in some cases, and become much firmer, and more generally remunerative. The advices received from India continue to bear a more favourable aspect.

COPPER.—The market for this metal has become very much depressed, and the advices received from Chili, stating the shipments tion; we trust, however, that this state of things will be only tem-

ressed, and the advices received from Chili, stating the pressed, and the advices received from Chill, stating the snipments to this country to be equal to 2000 tons of copper, and to the United States 600 tons, has not tended to make matters better. Prices have become easier, and still bear a downward tendency. Chill slab has been sold at 75t. to 75t. 10s., Burra at 85t., and there are sellers of Wallaroo at 84t. 10s. cash.

IRON.—In Staffordshire the improved demand for manufactured in the country of the state of the country of the cou

iron continues, and there is a decided increase in the amount of work done during the week, though as yet full time scarcely obtains anywhere. The most hopeful feature is a renewed enquiry for plates anywhere. The most hopeful feature is a renewed enquiry for plates for shipbuilding, the demand for which has been in abeyance for some time. The Staffordshire iron trade is deeply interested in the renewed prosperity of the shipbuilding trade. There are some considerable contracts for railway iron advertised, and the ordinary requirements are larger. The weak point of the trade is the United States' demand, which, it is to be feared, as soon as the shipments are finished for delivery before the operation of the new tariff commences, will experience a serious falling off. In Welsh, the leading works continue to be fairly employed, and during the past wecthere has been an accession of orders both on home and foreign account, and it is expected that others will shortly follow. Prices of rails and and it is expected that others will shortly follow. Prices of rails and other descriptions of manufactured iron have an upward tendency; in some instances quotations have advanced from 5t. 10s. to 5t. 15s. and 6t. per ton, and there is every prospect of the price being maintained. At the same time, the reduction in the rate of wages will enable the ironmasters to enter into transactions more freely. Necrotistics are on feet respecting some good American region orders and it. enable the ironmasters to enter into transactions more freely. Negotiations are on foot respecting some good American orders, and it is very likely that there will be an active enquiry from that quarter, as buyers on United States account are anxious to be supplied with as large a quantity of iron as possible before the restrictions of the new American Tariff Bill comes into force. In Swedish iron a very fair enquiry still exists. In Scotch pig-iron the amount of business transacted has been very limited during the week, and prices have varied very little. Last price received from Glasgow, 53s. 6d. cash. LEAD.—Business has been only moderate during the week, and prices are rather easier. We now quote 191, 10s. for common English pig, 191, 15s. for LB, and 22t. 5s, for WB.

TIX.—The market for foreign continues in a drooping condition, and sales are very difficult to effect. Business has now been done in Straits at 85l. cash, and for arrival at the same price. Banca can still be bought at 88l. In English there is very little business doing. SPELTER.—No improvement has occurred; on the contrary, prices are rather easier; about 100 tons on the spot have been sold at 21l., which still continues the quotation, the market remaining very dull. TIX-PLATES are in fair request, and the works are well employed.

TIN-PLATES are in fair request, and the works are well employed. STEEL.-There is still no stock in London, QUICKSILVER .- Demand only moderate.

BIRMINGHAM, FEB. 22 .- Rylands' "Iron Trade Circular" says-Symptoms of business become more hopeful, as Government prospects are regarded as more substantial. Bars, plates, and sheets are enquired for. Pigs moving more freely. Prices have steadied this week.

THE COPPER TRADE. -- Messrs. Vivian and Younger (Feb. 22) write Prices are again rather lower, and the demand continues small. -rrices are again rather lower, and the definant continues small. A carge of regulus has been done at 15s. 3d, per unit to arrive, and Chili bars have changed hands in considerable quantities at 75l. on the spot; English, however, both raw and manufactured, is very duli of sale; in Australian but little has changed hands at our quotation. At a slight reduction on present rates it is said there are large orders for most descriptions.

COAL MARKET .- The fresh errivals this week only amount to 55 but the principal part were steamers. Business in house coal has ruled very heavy, and prices generally quoted a little lower. Harttely coals have not varied in price, but the trade continued dull. Hetton Wallsend, 19s.; Original Hartlepool Wallsend, 18s. 3d.; Hetton Lyon's Wallsend, 16s.; West Hartley, 16s. Ships at sea, 65; cargoes unsold, 6.

EXPORTS OF COAL .- By the Monthly Circular of Messrs. Higginson, Liverpool, we learn that the quantity of coal exported in January was 515,560 tons, against 537,935 tons in the corresponding month of 1866, showing a decrease of 22,375 tons. The particulars are—From was 515,560 tons, against 537,333 tons in the corresponding month of 1866, showing a decrease of 22,375 tons. The particulars are—From the Northern ports, 204,451 tons; Yorkshire, 16,236 tons; London, 4312 tons; Liverpool, 29,076 tons; Severn ports, 223,666 tons; and Scotch, 37,819 tons. The increase was—Yorkshire, 386 tons; London, don, 620 tons; Severn ports, 27,107 tons; Scotch ports, 1156 tons, The decrease—Northern ports, 14,547 tons; Liverpool, 37,097 tons.

The MINING SHARE MARKET has not by any means been so active or so buoyant this week, nor have prices, generally, been so well sustained. In the abundance of unemployed capital, and the many firstclass speculations on the market, it is somewhat difficult to account entirely for this depression, and we are disposed to think it is one of the ordinary lulls that the market is subject to after periods of excitement, and that in a few days probably another change may take citement, and that in a few days probably another change may take place. A very unexpected fall has taken place in the standard for tin ore, while the price of the metal, we understand, remains without alteration. This has affected the price of several tin mines. The standard for copper ore is without alteration. West Chiverton, 61 to 63; at the meeting a dividend of 2l, per share was declared, but we have not yet received the statement of accounts or report. Chontales declined to 1 dis., but leave off 2½ to 2½. Some amount of disappointment has been expressed at the absence of advices by the West India Mail, but it appears when the Atrato left Greytown the river boat, with despatches from the interior, had not arrived, and other companies are in the same position in reference to news as Chontales. Prince of Wales, 33s. 6d. to 35s. 6d.; the ends continue of the same value as reported last week. Great Retallack shares have still further advanced, and leave off 3½ to 3½; the engine will be put to work on Monday, and sinking will be commenced on two lodes. The Trebellan, or No. 2 lode, presents indications for lead at no great depth. Bedford United, 20s. to 30s.; Carn Camborne, 21s. to 23s.; Chiverton Moor, 7½ to 7½ (call of 5s. paid); Clifford Amalgamated, 5½ to 6½; Cook's Kitchen, 9½ to 10; Drake Walls, 15s. to 20s.; East Basset, 17½ to 20. East Wheal Grenville, 2½ to 2½; at the meeting the accounts showed a balance of 952l. 15s. 6d. against the mine, and a call of 3s. per share was made. The report states that an improvement is expected in the shaft. The 95 west is worth 3 tons of copper ore per fathom. This end is about 6 fms. behind the winze going down below the 85, and worth 4 to 4½ tons per fathom. The cost for the next quarter is estimated at 50l. to 100l. less than the last.

West Drake Walls shares advanced to 5s. prem., but leave off flat; the allotment of 12,800 shares advanced to 5s. prem., but leave off flat; the allotment of 12,800 shares advanced to 5s. prem., but leave off flat; the allotment of place. A very unexpected fall has taken place in the standard for

West Drake Walls shares advanced to 5s, prem., but leave off flat; the allotment of 12,800 shares at 2s.6d evidently induced many perons to realise the enormous profit upon them, and from the great number of shares offered the market became glutted and depressed. The speculation, however, remains the same, and ere long may get more settled and firm. East Caradon, 5 to 5½. Redmoor, 9s. to 11s.; in driving towards the silver branch some good black ore has been met with, in easy ground for driving. East Carn Brea, 3¼ to 3½; East Gunnislake and South Bedford, 27s. 6d. to 32s. 6d.; East Lovell, 9 to 9½. East Russell, 3¼ to 3½; Grandler, and St. Aubyn. 5, to 6. 9 to 9½; East Russell, 3½ to 3½; Grambler and St. Aubyn, 5 to 6; Great Laxey, 15½ to 16½. Great South Tolgus, 12s. 6d. to 17s. 6d.; at the meeting the accounts showed a balance in hand of 795%. At at the meeting the accounts showed a balance in hand of 7951. At Wheal Buller the 92, east of Stevens's, is worth 61, per fm.; the 80 east, 201, per fathom; the winze under this level is worth 351, per fathom. Great Wheal Vor, 16½ to 17½; Hingston Down, 2½ to 3; Marke Valley, 4 to 4½; New Seton, 40 to 50; North Crofty, 4½ to 5½; North Downs, 7s. 6d. to 10s. North Roskear shares have declined to 6, 7; North Treskerby, 2½ to 2½; Prosper United, 3½ to 3½; Providence Mines, 24 to 26; South Condurrow, 15s. to 17s. 6d.; South Grenville, 7s. 6d. to 8s. 6d.; South Heredsfoot, 4½ to 6½; Tincroft, 11½ to 12½; Trumpet Consols, 11 to 12; West Seton, 130 to 140; Wheal Basset, 64 to 66; Wheal Chiverton, 8 to 8½; Wheal Grenville, 17s. 6d. to 20s.; Wheal Seton, 105 to 110; Wheal Trelawny, 9to 11. Great North Laxey, 1 to 1½; the lode in the shaft is 2 feet wide, and looking altogether better. The 82 north is worth 1½ ton per fm.: 25 tons of lead will be sampled in a few days. Great North Downs, 3½ to 4½; the lode in Sleggan's is worth for the length of shaft 701. per fathom, the 70 west is worth from 151. to 201. per fathom, and the 80 west is worth 154. per fathom. At Caradon Consols meeting the accounts showed 651. Is. 10d. against the mine, and a call of 10s. per share was made. The report states that, although no ore to attach value to has yet been met with in the 90, yet from the appearance of the lode in the west end, and the character of the ground around it, the agent thinks it will soon improve, the end being nearly under the comthinks it will soon improve, the end being nearly under the commencement of the productive ground in the 80, and the lode of an equally promising character. West Caradon, 9 to 10; the sale of equally promising chara-ore realised 8211, 16s. 6d.

equally promising character.

ore realised \$21l. 16s. 6d.

The market for Mine Shares on the Stock Exchange during the week has been dull, and changes in prices of shares quite unimportant. West Chiverton, 61 to 63; dividend yesterday 2l. per share; the report is more favourable than at any former period. Chiverton, 8 to 8½; a call of 2s. 6d. per share was made. Chiverton Moors firm, at 7 to 7½; a call of 5s. per share made; the report is considered very good. Prince of Wales shares in demand, at 34s, to 35s; the 55 fin, level west is reported as a fine course of ore, worth 40l. per fathom. The 45 east is worth 40l. per fm. The winze in the bottom of this level is worth from 45l, to 50l. per fm. Certainly the mine would appear to be opening up well. Great Retallack, 3½ to 3½; Great Wheal Vor, 16 to 16½; Great Laxey, 15½ to 16. Westminster, 5 to 5½; the engine-house is nearly completed. The eastern part of the mine bids fair to be an equal success to the western mine, with the advantage of being drained by the Halkyn deep level. Foreign mines have been dealt in to a moderate extent. Del Reys are steady, at 52 to 53. Don Pedro, ½ to ½ prem.; Anglo-Brazilian, par to ½ prem.; vantage of being drained by the makyn deep level. Foreign mines have been dealt in to a moderate extent. Del Reys are steady, at 52 to 53. Don Pedro, ½ to ∦ prem.; Anglo-Brazilian, par to ∦ prem.; Cape Copper, 1½ to 2 prem.; Port Phillip, ¾ to ∦; Chontales, ½ to ⅓ dis,; Frontino, 3s. 9d. to 6s. 3d. per share; United Mexican, 2½ to ½; Copper Smelts, ¾ to ⅙; Yorke Peninsula, 3-16ths to 5-16ths per share.

IRISH MINE SHARE MARKET.—The general dulness on our Stock Exchange, to which we had to allude last week, is still prevailing, and affecting all classes of securities, nothwithstanding the tendency in the London market to improvements in Government stocks. Of course, the Quixotic attempts of the American Fenians to plunge our people and country into miseries similar to those which so recently devastated one of the finest and richest regions of the continent on the other side of the Atlantic, have left their traces behind, by havthe other side of the Atlantic, have left their traces behind, by having created an apprehension that at least English capitalists will for some time to come keep aloof from investing money in a country so easily accessible to marauders as our western provinces have just proved to be. There are, however, strong hopes entertained that the Government will at length see the advisability to do something radically effective against the possibility of the recurrence of such Transatlantic surprises, and that the magnificient harbours and bays of the south and south-west of Ireland will, ere long, be transformed into strongholds for the British Navy, and that after the present les son, though fortunately insignificant in itself, measures for the better protection of England, as well as of Ireland, which, with all the natural facilities at hand, would cost but little, will be cheerfully voted before the rising of the present session of Parliament. In addition to this hope, we have also acquired the re-assuring conviction that the ciergy of our country is sincere and energetic in opposing attempts to throw the country into distur opposing attempts to throw the country into disturbances which could endanger life and property; and that all those of our people who have any regard for their spiritual advisers, of whatever denomination or creed, follow the good example set to them. As this conviction cannot fail to become stronger in England as well as here, when the details of the recent events in Kerry are better known and fully understood, we may lookforward to a return of known and fully understood, we may lookforward to a return or general confidence in all our legitimate undertakings. But during the transition from a feeling of uncertainty and fear to such restoration of confidence, prices of shares in national enterprise will rule rather low, but thereby offer excellent channels for investment. Mining shares in particular seem to afford at present good opportunities for speculative purchasers, although, in consequence of their character of soundness and stability, they have not receded much during the last few days. Wicklow Copper Mining Company's shares (21. 10s. last few days. Wicklow Copper Mining Company's shares (21. 10s. paid), which left off last week at 24l. 7s. 6d., have repeatedly been taken at the same price, and much more business would be done in them if holders would submit to even a trifling reduction. Buyers have, however, been more successful in the shares of the Mining have, however, been more successful in the shares of the Mining Company of Ireland (7t. paid), they having dropped 8s. 9d. on Wednesday last, and for the week about 15s. per share, last week's closing price having been 18t. 7s. 6d., while they have since changed hands at 17t. 10s. to 17t, 12s. 6d.; however, at the former price many

more would have been purchased. Connorree shares also declined, having fallen from 17s. 6d. to 16s. General Miuing Company for Ireland shares have been done at 2l. 15s., and Killaloe Slate Quarry shares have dropped to 14s. (20s. paid), and continue on sale.

John Hoare, director of the East Holyford Mining Company, and promoter of the National Fishing Company of Ireland, is in the Insolvent Court. On cross-examination, he admitted that there was no board of directors legally appointed, and that he himself was only a director nominally. The insolvent was opposed by several creditors, and Judge Miller remanded him for 12 months.

At Truro Ticketing, on Thursday, 3167 tons of ore were sold, reasing 14,334%. Os. 6d. The particulars of the sale were:—Average

The Standards of Tin Ore were reduced on Tuesday, and are now -Common, 79s.; superior common, 80s.; fine, 82s.; su-

At Herodsfoot Mine meeting, on Feb. 12, the accounts showed a profit on the four months' working to end of December of 15434, 9s. 10d., a balance of assets over Habilities of 33014, 5s. 2d., and a cash balance of 14284, 17s. 8d. A dividend of 30s. per share was declared. Messrs. Loam, Hawke, and Isaac was declared to the state of the committee. Capt. Trevillion reported that "the 110, on the whole, is in a very good and satisfactory state of working, and lith the one great point before us, which will shortly be reached—the intersecting the lode at the bottom, or 150 fm. level—will, no doubt, so augment our repources that we may with confidence look forward for years for regular and continuous dividends."

At Wheal Owles meeting, on Feb. 15, the accounts for Oct., Nov., and Dec. showed a debit balance of 13731, 13s, 7d. Work performed during the narter:—15s fms. 4 ft. driven in levels, and 26 fms. 0 ft. 9 in. sunk in shafts ad winzes; 30 pares stoping on tut for tin, and 28 pitches on tribute. They are about 50 tons of tin unsold.

and winzes; 30 pares stoping on tut for tin, and 2s pitches on tribute. They have about 50 tons of tin unsold.

At Wheal Owles meeting, on Feb. 15, the accounts for the three months ending December showed a debit balance of 1373l., against which there are about 50 tons of tin dressed, but nusold.

At Great Caradon Mine meeting, on Monday (Mr. Bartlett in the chair), the accounts showed a credit balance of 77l. 18s. 2d. A call of 2s. per share was made.

At Caradon Consols Mine meeting, on Wednesday (Mr. J. A. Buck-ind in the chair), the accounts showed a debit balance of 65l. 1s. 10d. A call of 10s. per share was made. The report of the agent stated that, according to present appearances, he thought they would obtain about the same quantity of ore for the next sale as was sold at the last.

At the Penhale and Lomax Consolidated Silver-Lead Mine meeting, on Wednesday (Mr. T. E. Foakes in the chair), it was unanimously agreed to issue 2000 new shares of 1l. each, to bear a preferential dividend of 15 per cent, per annum. The report of the directors was unanimously adopted, and the directors were re-elected. Details in another column.

At West Wheal Frances meeting, on Feb. 14, the accounts for the

the directors were re-elected. Details in another column.

At West Wheal Frances meeting, on Feb. 14, the accounts for the three months ending November showed a debit balance of 335. 6s. 11d. Capts. C. Thomas and Son, C. Craze, and H. Rabling reported that the rough weather in January checked the operations in dressing tin, so far that the tin returned and sold is nearly 3 tons less than that raised; this, together with the purchase of a boiler for the steam-whim, has resulted in showing a loss on the three months' working. The present price of tin is 2l. a ton more than the average of the past three months.

At the English and Australian Copper Company annual meeting, Thursday (Mr. R. A. Routh in the chair), the report of the directors was re-ved and adopted. A dividend of is, per share was declared. Details appear another column.

other column.

the General Mining Association (special) meeting, on Tuesday
A. C. Bridge in the chair), it was unanimously agreed to increase the capital
e company by the issue of 2500 new shares of 201. each. Details will be found
other column.

mother column.

The Don Pedro North del Rey Mining Company announce that the ole of the accounts have not come home by the last mail, as was expected sufficient information has arrived to enable the directors to state that they il recommend a dividend of 2s. per share, or upwards of 14 per cent., at the eral meeting, which will be held as carly in March as possible.

The Great Western Colliery Company (Limited) have declared an interim dividend, payable on March 1, at the rate of 8 per cent. per annum for the six months ending Dec. 31, 1866.

The Court of Chancery has appointed Mr. H. H. Cannan, of Wal-

Mr. C. F. Kemp, liquidator of the South Cornwall Mining Com-Mr. C. F. Kemp, liquidator of the South Cornwall Mining Com-sy (Limited), has made a call of 11. 10s. per share on the contributories. Creditors of the Umzinto Plantation and Trading Company of (stal (Limited) must send their claims before the 28th inst, to the liquidator, J. Waddell, public accountant, Union-court, Old Broad-street, E.C.

On the Stock Exchange, operations in Mining Shares during the seek have been of fair average extent. The following prices were ficially recorded in British Mining Shares:—East Caradon, 5½, 5½; at Carn Brea, 2½, 3, 3½, 3, 5½; Great Wheal Vor, 17, 16½, 16; Great xey, 16; Great South Tolgus, ½; East Lovell, 9½; West Chiverton, 12; East Wheal Russell, 3½. In Colonial Mining Shares the prices are:—Scottish Australian, ½; Yudanamutana, 1½; Cape Copper, 8½; et Phillip, ½; General, 19½, 20; Kapunda, ¼. In Foreign Mining thares the prices were:—Chontales, 2½, 2½, 2 5-16ths; St. John del key, 53½, 52½; United Mexican, 2½, 2½, 2 11-16ths, 2½, 2 9-16ths, 2½, ½; Don Pedro, 5-16ths, ½, 7-16ths, 5-16ths prem.

HE AMERICAN SCHOOL OF MINES.—Some two years since the adation of a School of Mines in connection with Columbia Col., New York—the oldest collegiate establishments in the United tes—was announced in the Mining Journal, and it remarked that advantages which must accrue to the mineral interests of Ametherefrom could scarcely be over estimated; it was mentioned that the principal chairs had been given to the most competent at advantages which must accrue to the mineral interests of Ametherefrom could scarcely be over estimated; it was mentioned that the principal chairs had been given to the most competent standard of instruction fixed upon was as high as in any of the ing colleges of Europe. The school is now in the third year of xistence, and the extent to which it has been appreciated by the ricans my be judged of by the high position it has already ated. It has an able corps of professors, presided over by Dr. F. Barnard, the President of the College, and has at present 109 ents (a number which is, we fear, nearly thrice as large as can haimed by the Royal School of Mines in London, which has been istence more than thrice as long) in actual attendance. Its tratories for analysis, quantitative and qualitative, and for asong, are unsurpassed in extent, and in the completeness of their intments, by any in the world; its collections, though not yet, are ample for purposes of illustration, and are constantly ining. It has a library, valuable as far as it goes, but contain not much over 1000 volumes at present; and a large list of scientium, in the sciential properties of those devoted to mlogy, mining, and metallurgy. No students have yet been dated, but those who first entered will soon have completed their eyears of study, and come to their final examination. Altogethes sanguine expectations of its early friends, and it is to be dated, but those those first entered will seen have completed their eyears of study, and come to their final examination. HE AMERICAN SCHOOL OF MINES,—Some two years since the it sanguine expectations of its early friends, and it is to be hoped that ere another three years have passed the miners of Eng-land will take as much interest in the School of Mines in Jermynas the Americans have taken in that at Columbia College.

PROVED ROTARY PUMP.—A compensating rotary suction and PROVED ROTARY PUMP.—A compensating rotary suction and many is at present being manufactured by Messrs. Foster, of Brooklyn, is a stationary cylinder, with ports on each side; in this rotates a smaller is axis of which is eccentric, with or above the axis of the outer cylinder, ner cylinder carries four arms or valves that move freely in and out of 55 fitted to receive them as they revolve, and press against the outer or cylinder, which forces the valves in and out during the rotation. The are opening as they pass the inlet, and continue to open and exhaust one-fourth of the revolution, when the chamber begins to contract and the space, as the outlet is brought in communication with it to force is fluid. The advantage claimed for this pump over other rotary pumps introducing spiral springs between the valves, where they meet in the rylinder, to force them out, so as to press firmly against the outer cylind to compensate for wear. Another advantage consists in having an moveable head, which can be set up and adjusted by screws from the out-produce a close joint. These set screws are secured by tubular lugs and to the adjustible head, so as to withdraw it when necessary. Its contractions is simple, compact, and strong, runs either way equally well, and of choke.

CAUSES OF COLLIERY ACCIDENTS.—Why is it, that with so mamples of what can be well done, a large part of our collieries should be addition far from satisfactory? And how does it come to pass that every d then a hecatomb of victims has been sacrificed in a pit supposed to be

a model of efficiency? To these we may reply—1. That thoughtlessness and opposition to discipline among the men, and ignorance of principles and of good practice, with parsimoniousness among the masters and managers, are far too common.—And, 2. That the sources of accident are so numerous, and often so obscure, that no amount of precaution can be expected to obtain perfect security. Though neither men nor owners are open to the sweeping charges of recklessness often brought against them, we must expect, so long as we find among the pit's company careless, unsteady, and over-daring rule breakers, and collecties managed by a shopkeeper or joiner, or half educated young "gentleman," a nephew of the owner, that accidents will occur, which would be certainly preventible under better auspices.—Prof. Warington Smyth, M.A., F.R.S., in his "Coal and Coal Mining."

TO LEAD SMELTERS AND SILVER REFINERS.
WANTED, a MAN who THOROUGHLY UNDERSTANDS the PRICE OF ORYSTALLISING and REFINING SILVER-LEAD ORES. Good charact indispensable.—Apply, by letter only, to Messrs. Weston and Collingbors, Peter-street, Bristol.

TO IRON MASTERS.—The ADVERTISER, who has had experience for many years in manufacturing all sorts of merchant bars, angle iron and ralls, plates and sheets, is now OPEN for RE-ENGAGEMENT as OUT-DOOR MANAGER. No objection to go abroad. First-class testimornials from last employers, with highest references, will be given.—Apply of "B. B.," MINING JOURNAL office, 26, Fleet-street, London, E.C.

A YOUNG GERMAN, well versed in the ASSAYING by the wet process of COPPER ORES, both poor and argentiferous, WANTS a SITUATION.—Proposals, post paid, to be addressed, to "C. P.," Poste restants, Reichenberg, Bohemia.

CHINA-CLAY,—The ADVERTISER has a first-rate bed of CHINA-CLAY, which he is ANXIOUS to WORK, and would ADMIT a CAPITALIST as a PARTNER, who has £2000 at command. The profits would be at least 20 per cent. per annum.—Apply, in the first instance, to "Gorgablenses," Post-office, Perran Porth, near Truro.

CARBONATE OF BARYTES WANTED, in large or small quantities. Quote price and quantity to Mr. W. BOUSTRED, Auctioner, Pontesbury, Salop.

WANTED, CARBONATE of BARYTES, and SULPHATE.
State price per ton.—Address, "A. Z.," MINING JOURNAL office, 76,

ANTED, an AGENT for the HEBDEN MOOR LEAD MINES, WHARFDALE, YORKSHIRE. Preference given to one who has been engaged in the North of England. Must be practically acquainted with underground and surface operations, and pumping; also, able to dial the ground and draw plans.—Apply to Mr. JOSEPH STORR, 6, Upper Fountaine-street, Lieds, stating qualifications and salary required.

WANTED, by a Young Man, who has had considerable experience in MINING, ORE DRESSING, &c., and has a thorough knowledge of ASSAYING LEAD, COPPER, SILVER, GOLD, &c., a SITUATION as MANAGER, SUB-MANAGER, or otherwise.—For references and further partial ars, address, "D. D.," MINING JOURNAL office, 26, Fleet-street, London

WANTED,—A RE-ENGAGEMENT AS COLLIERY MANAGER,
Many years' experience and first-class testimonials. No objection to abroad.—Apply to "H. M.," MINING JOURNAL office, 26, Fleet-street, London.

WANTED TO EXCHANGE, 6 Prince of Wales, 20 Gwydys Park (calls paid), 10 Mineral Rights, and £2 10s. In money, for 10 (hydn ales (call paid).—Address, Mr. W. TANNER, 70, Faulkner-street, Manchester./

ANTED, a 30 to 40 in. cylinder CONDENSING, or 20 to 30 in. HIGH-PRESSURE HORIZONTAL STEAM ENGINE, suitable for mill or forge work, second-hand, but must be in good condition.—Apply, with full particulars, to "A. B. C.," Post-office, Swansea.

WHEAL BASSET CONSOLS,—WANTED TO PURCHASE,
TWO HUNDRED SHARES in this MINE.—Address, "Investor"
MINING JOURNAL office, 26, Fleet-street, London, E.C.

INVESTMENT.—An EXCELLENT OPPORTUNITY now offers for INVESTING from FIVE HUNDRED to ONE THOUSAND POUNDS on highly advantageous terms. A minimum income of 33 per cent. per annual for three years will be guaranteed.—For particulars, address Messrs. filt, KENT, and Co., St. Clement's House, Clement's-lane, E.C.

TEAM COAL COLLIERY (WITH BLACKBAND AND FIRST-CLASS FIRE-CLAY)—TO CAPITALISTS.—Now FOR SALE, BY PHIVATE TREATY. Coal on Government list.—Apply to Mr. Elias J. Histor, Mineral Estates Office, Swansea,

A GENTLEMAN, going abroad, DESIRES to DISPOSE OF HIS INTEREST, as lessee, in certain MINING PROPERTIES IN SCOTLAND and ISLE OF MAN.—Full particulars on application to Messrs. Lees and GRAHAM, Accountants, 34, John Dalton-street, Manchester.

A GENTLEMAN having an extensive connection with merchants manufacturers, and others, would be GLAD to UNDERTAKE the SALE of PATENTED ARTICLES or INVENTIONS, upon commission.—Apply to Mr. W. T. RAWLE, patent and mining agent, 8, Small-street, Bristol.

CHONTALES GOLD AND SILVER MINING COMPANY (LIMITED).—Notice is hereby given, that the directors have this day made a CALL of TEN SHILLINGS PER SHARE, payable at the Imperial Bank, Lothbury, on or before the 22d day of March next.

By order, JOHN J. BURGESS, Secretary (pro tem.)

N.B.—By the Articles of Association calls in arrear are subject to Interest at the rate of £10 per cent. per annum.

185, Gresham House, Old Broad-street, London, Feb. 15, 1867.

CREAT RHOSESMOR MINING COMPANY (LIMITED),
HOLYWELL, FLINTSHIRE — TENDERS will be RECEIVED at the
office of the mine, No. 15, Lord-street, Liverpool, until 2d March proximo, for an
89 in, CORNISH PUMPING ENGINE and 70 ims. of 24 in. PITWORK, the
latter to include two plungers complete.

The engine must be nearly new, and in perfect order, with three boilers, to be
delivered on the mine, and subject to the approval of the company's agent.
Particulars, as to carriage, &c., can be had of Captain F. Evans, agent, at
the mine.

THE CWT-Y-BUGAIL SLATE COMPANY (LIMITED).—
Notice is hereby given, that an ORDINARY GENERAL MEETING of
the shareholders of the above company will be HELD at 9, King's Armé-yard,
Moorgate-street, London, on WEDNESDAY, the 27th of February, 1887, 420 ne
o'clock precisely.

R. J. LECKY, Chalenda.

THE MINERA RAGMAN MINING COMPANY (LIMITED).—
Notice is hereby given, that a SPECIAL GENERAL MEETING of the shareholders of the Minera Ragman Mining Company (Limited) will be HELD at the Wynnstay Arms Hotel, Wrexham, in the county of Denbigh, on THURS-DAY, the 28th day of March, 1867, at One o'clock P.M., for the purpose of taking into consideration the advisability of dissolving the company, and winding the same up voluntarily, under the provisions of the Companies Act, 1862, and to appoint a liquidator. By order of the Board of Directors,
3, Temple-row, Wrexham, Feb. 21, 1867.

THE IMPERIAL LAND COMPANY OF MARSEILLES THE IMPERIAL LAND COMPANY OF MARSEILLES (LIMITED).—Notice is hereby given, that the FIRST ORDINARY GENERAL MEETING of this company will be HELD on THURSDAY, the 28th day of February inst., in the Large Room at Exeter Hall, Strand, London, at Twelve o'clock at noon precisely, when the directors will present a report and a balance-sheet for the past year.

The transfer books will be closed from Monday, the 18th, to Thursday, the 28th inst., both days inclusive. By order of the Board.

GEORGE M. BRIGHT, 18cc.

10, St. Swithin's-lane, London, E.C., Feb. 18, 1867.

TO COAL OWNERS, AND OTHERS.

THE LONDON PATENT COAL COMPANY are now GRANTING LICENSES for the USE of their PATENT for the UTILIZATION of COAL DUST. All communications to be addressed to the Managing Director, 26, Martin's-lane, Cannon-street, E.C. CLATE QUARRY REPORTS .- JOHN BOWER, D.C.L. Oxon,

Barrister-at-law, who has been for nine years Manager and Director of the Snowdon Slate Quarries Company (Limited), is PREPARED to INSPECT and REPORT on any QUARRY or SLATE VEIN in NORTH WALES, and als REPORT would include every fact FAVOURABLE or UNFAVOURABLE. Address, Glydir View, Llanberis.

JAMES SCOTT AND CO., STOCK AND SHAREDEALER,
1, PINNER'S COURT, OLD BROAD STREET, LONDON, E.C.
All Stock Exchange securities dealt in at close market prices for cash or the
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*We shall give a SUPPLEMENTAL SHEET with next week's Journal, in which will be published—the Annual Statistics of the Mining Interest; Mr. Gunther's paper on Mineral Deposits in Brazil; Coal in Russia; The Copper Mines of Chili and Bolivia; Duration of our Coal Fields. We shall also bring up the arrears of Prof. Warington Smyth's Lectures at the School of Mines.

PARIS EXHIBITION, 1867.—In order that all useful mechanical novelties connected with mining and metallurgy, or with the sciences allied thereto, may be fully described in the Mining Journal, the Editor has made arrangements to send a special representative to Paris, to make the necessary examination of the machinery, apparatus, &c., exhibited. To facilitate such examination, it is most desirable that exhibitors should supply, as soon as convenient, mechanical descriptions of their inventions, &c., which will be regarded as confidential communications until the articles referred to have been examined. Communications may be forwarded either direct to the Office, 26, Fleet-street, London, or to the care of Messrs. Vimeux, Stouff, and Co., Bankers, 3, Rue Daval (Beaumarchais), Paris.

		LEAI	0 0	RE	S.		
Date.	Mines.	Tons.		Am			Purchasers.
eb. 15-	-Isle of Man Mini	ng Co. 100		£26	1	0	 Panther Company.
18-	Stiperstones	60		12	8	6	 Walker, Parker, & Co.
	-Dylife						
							R. Michell & Son.
Sindry.	ditto	50		14	19	6	 Sims, Willyams, & Co.
_	Isle of Man Mini	ng Co. 100		14	11	6	 Walker, Parker, & Co.

BLENDE. Date. Mines. Tons. Price per ton. Purchasers. Jan. 16—Stiperstones 11½ £3 12 6 Kenrick & Son.

BLACK TIN.

COPPER AND COPPER ORES

 Henry Bath.
 Bolivian in first and second hands likely to be tocks of copper (Chilian and Bolivian) in first and second hands likely to be tilable are— Ores.
 Regulus.
 Bars.
 Ingots.
 Barilla.

 Liverpool
 1078
 2010
 2614
 615
 373

 Swansca
 5351
 4668
 213
 —
 64

COPPER ORES.

Sampled Feb. 6, and sold at the Royal Hotel, Truro, Feb. 21.

Mines.	Tons.	Price.		Mines.	Tons.	Pri	ce.	-
Devon Consols		£3 15	0	East Caradon		£3	17	6
ditto		5 7	0		35		5	0
ditto	125	4 11	6	Okel Tor	75	1	9	6
	120		6	ditto	65	1	15	6
ditto	118	5 6	6	ditto	60	3	12	6
			0	ditto	45	5	7	6
			6	Brookwood	58	3	7	6
ditto	110	4 0	0	ditto	52	3	10	0
ditto		5 4	6	ditto	50	3	2	0
	103		6		44		13	0
	82		6		36		4	6
	75		6	Gawton Copper			8	0
	73		6		39		17	0
	41		0		37		19	0
	27		6		16		3	6
	86		6	Wheal Friendship	69		15	6
	82		6		19		1	ě
	77		6	Bedford United			î	ö
	55		6		36		î	6
	58		6	Prince of Wales			5	ŏ
	50		6		23	7	8	ň
	37		0	Wheal Crebor		9	4	e
East Caradon		4 9	0		27	C	A	0
		4 3	C	Sortridge Consols		9	11	0
ditto	72	4 0	0	Sortings Consols	**** 21 ****	0	11	0

TOTAL PRODUCE.

AST SALE -Average Standard £114 2 0 onding sale last month, £113 15 0.—Produce, 61/2

COMPANIES BY WHOM THE ORES WERE PURC	HASE	ED.	
	Amo		i.
Vivian and Sons 3751/2	£2167	6	2
Freeman and Co	706	1	2
Grenfell and Sons 363	1945	17	0
Sims, Willyams, and Co 3891/3	1413	4	2
Williams, Foster, and Co 6131/2	3249	1	2
Mason and Elkington 66	364	12	8
Bankart and Sons 2261/2	1008	7	4
Copper Miners' Company 265%	1225	2	1
Charles Lambert 74	233	4	6
Sweetland, Tuttle, & Co 3331/4		19	9
Penclawdd Copper Company 145	351	2	6
Goole Alum and Smelting Co. (Limited) 184	427	2	0
M-4-1 0108 0		-	-

Copper ores for sale at Tabb's Hotel, Redruth, on Thursday next.—Mines and parcels.—South Caradon \$14—Clifford 423—West Damsel 271—Hallenbeagle 213—Phoenix 189—Great North Downs 185—Feeck Regulus 114—Fowey Consols 112—Wheal Polmear 101—New Treleigh 40—Grambler and St. Aubyn 22—Pembroke 4.—Total, 2158 tons.

Copper ores for sale at Tabb's Hotel, Redruth, on Thursday week.—Mines and Parcels.—Clifford Amalgamated 801—West Seton 498—South Frances 231—Carn Camborne 181—Wheal Basset 164—Tolcarne 101—East Pool 63—Bampfylde 63—North Grambler 38—Emily Henrietta 36—North Crofty 30—South Basset 164—Total, 2279 tons.

WATSON AND CUELL'S MINING CIRCULAR

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1, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

ESSRS. WATSON AND CUELL having made arrangements for transferring their weekly Circular, which has had so large a circulation during the past ten years, to the columns of the Mining Journal, their special eports and remarks upon mines and mining, and the state of the share market, will in future appear in this column.

In the year 18-18, when Cornish mining was almost unknown to the general public, attention was first called to its advantages, when properly conducted, in the "Compendium of Brittah Mining," commenced in 18-7, and published in 1843, by Mr. J. Y. Watson, F.G.S., author of "Gleanings among Mines and Miners," "Records of Ancient Mining," "Cornish Notes" (first series, 1862), "Cornish Notes" (second series, 1863), "The Progress of Mining," with statistics of the Mining Interest, annually for 21 years, &c., &c. In the Compendium, published in 1843, Mr. Watson was the first to recommend the system of a "division of small risks in several mines, ensuring success in the aggregate," and Messrs. Watson and Cuell have always a selected list on hand. Perhaps at no former period in the annals of mining has there been more peculiar need of honest and experienced advice in regard to mines and share dealing than there is at present; and, from the lengthened experience of Messrs. Watson and Cuell they are emboddened to offer, thus publicly, their best services to all connected with mines or the market, as they have for so many years done privately, through the medium of their own Circular.

Messrs. WATSON and CUELL transact business in the purchase and sale of mining shares, and other securities, payments of calls, receipt and transmission of divi ends, obtaining information for clients, and affording advice, to the best of their knowledge and judgment, based on the experience of more than 30 years active connection with the Mining Market.

Messrs. WATSON and CUELL also inform their clients and the public that they transact bu

GREAT NORTH LAXEY .- We said last week, to show the erroneous

GREAT NORTH LAXEY.—We said last week, to show the erroneous statement of the Isle of Man shareholders, that the mine had been bought for a small sum, and sold at a large profit, that the directors still held 1800 of the original shares, and we are now informed that nearly dool shares are still held by parties to whom they were originally allotted. We have also to thank some of the shareholders for having (perfectly unsolicited on our part) sent as their proxies for the general meeting.

MONA—We are not able to say what the shares were issued at in East Laxey, or Reinnte Laxey, nor how much was premium. East Laxey in the Share List is marked 21. 10s, paid, which would make 18,0001, expended in this mine. Reinle is marked 21. 10s, paid, which would make 24,0001, to be accounted for.

SOUTH He * — Herodsfoot was originally brought out by us in 256 shares of 41. each. It commenced dividends in 1851, and has paid about 42,0001, profit. The ore, if we remember rightly, came in at the 80 in the south ground, towards South Herodsfoot. This latter mine is in about 600 shares.

"INQUIRER."—The old sett of Wheal Mexico, now called "North Retallack." was offered ot the Retailack Company a year or two ago. It was to be worked as a distinct mine, with an annual dead rent of 281, a year. At the time it was offered several of the shareholders in Retailack were bankrupt and insolvent; the mine was heavily in debt, and all available means of getting in calls seemed useless, and tee, as treasurers, were advancing 1001, to 2001, per month to pay the wages of the men. Under these circumstances it would have been madness for the Retailack Company—or the solvent part of 12-to have taken upon itself the large outlay required for an adjoining mine, and the offer of it was refused, and rightly so, when its value was problematical, and the outlay required to work it a certainty. Now, it derives its value from the discoveries made in Retailack, and we not lay required to work it a certainty. Now, it derives its value from the discovery wo

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Materials and Process
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UIDE TO INVESTORS.—Mr. SPARGO'S "G.

Torthe present month contains a "Totolous" of the companies.

To the present month contains a Tabular Statement of Banking, Mining, and other Companies, showing the depreciation in value during the last twelve months; and a Price List of Shares in Banks, Canals, Railways, Bridges, and Finance Companies up to Tuesday, the 12th instant. It also contains Rate of Discount at Home and Abroad; Investments—Domestic and Foreign; Gold and Silver Mines; with special observations on Frontino and Bolivia, and Chontales Gold Mines; together with necessary detailed information connected with the Stock and Share Markets Mines, and Michael Markets. ales Gold Mines; together with necessary detailed information connected he Stock and Share Markets, Mines, and Miscellaneous Companies. 224 and 225, Gresham House, Old Broad-street, London, E.C., Feb., 1867.

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• Much inconvenience having arisen in consequence of several of the Numbers during the past year being out of print, we recommend that the Journal shoul 1 be filed on receipt: it then forms an accumulating useful work of reference.

GREAT NORTH LAXEY.—We have received numerous communications referring to the affairs of this company—some of a very personal nature, while others would provoke an endless and useless controversy. As Mr. Richard Sherwood intends to be present at the meeting, we shall then have to record his views And statements in reporting the proceedings, so that further publication of his opinions is not now requisite.

mis opinions is not now requisite.

RIZES FOR COAL-CUTTING MACHINERY—"R. C." (Liége).—The particulars asked for as to the conditions, &c., to which competitors will have to submit are published in another column of this day's Journal. We should think steam will not be admissible for working, as no machine would be practically useful which would interfere with the ventilation; it is probably to save the trouble of testing machines, which could not under any circumstance be adopted in a mine, that the Committee announce their opinion to be favourable to air as a motive-power.

AMPETY_LAMPS—"F. H. C." (Armantic). The lambet of the property of the pr

able to air as a motive-power.

AFFIY-LAMPS—'F. H. C.'' (Newcastle).—The lamp invented by Mr. Hall, of Birmingham, some years since, was intended to be self-extinguishing, but there was no difficulty whatever in opening the lamp whilst it was still alight. That of Messrs. Hall and Cooke is, probably, an improvement, but not having seen or tested the lamp, it is impossible to say whether it is so or not. We do not know what pits the lamps are used in, but the information could, no doubt, be obtained from the inventors.

OAL IN FOREIGN COUNTRIES,—"F, J." (Newcastle)—The report referred to is contained, as one of a series by Her Majesty's Secretarles of Embassy and Legation, in a small "Blue Book" just issued. The price is 9d., postage 2d, and it will be forwarded from the Mining Journal office on receipt of 11 stamps.

and it will be forwarded from the Mining Journal office on receipt of 11 stamps—
PREUMATIC MINE CAGES.—Some time since a cage was proposed, which I may describe as the pneumatic despatch tube, placed vertically in the shaft. The inventors were, I think, Messrs. Alison and Shaw, and it was proposed to blow the cage up the shaft by forcing in air beneath it. Now, unless the cage fit as tight in the tube as the pellet of a popgan, I do not see how it could be raised at all; and if it were made to fit tightly (leaving the friction out of the question), I think there would be some practical difficulty in raising the cage, owing to the enormous and constantly increasing space in which the air would have to be compressed. Would not the compression have to be effected upon every cubic foot in the shaft, or would it be simply necessary to compress the lower part of the column? Thus, in a shaft, would the power required to force up the cage be the same when the load started from the bottom as when it got (say) 30 fms. up?—IR. J.

SIR.—I have a piece of land from which I am getting clay and stone, in a coal district, and within one and a half mile of which there are about 12 pits now in full work. As I am desirous of ascertaining whether there is a probability of finding coals under my land, I enclose you the measures, and shall be obliged by the opinion of some correspondent thereon.—An OLD Subscriber.

Measures.

Yether the state of the same way to the measures, and shall be obliged by the opinion of some correspondent thereon.—An OLD Subscriber.

Measures.

Yether the same the same way to the measures, and shall be obliged by the against one send loose.

by the opinion of some correspondent thereon.—An Old Subschiber.

Measures. Ft. In.

Soil 1 0
Red sandstone scud, loose. 3 0
Red clay. 4 4 6
White freestone, soft 3 0
Red sandstone scud. 1 1 6
Red marl. 3 0
Red sandstone scud. 1 1 6
Fine white freestone rock. 1 1 1 0
Red marl. 2 0
Second freestone rock, very porous and shelly. 6 0
There are veins of white clay, about 2 in. thick, between each of the above.

WM ERFIN MINE.—An error has occurred in the Journal of the last two sales of ore from this mine, namely Jan. 14 and Feb. 11—the name of Comystwith having been inserted instead of Cwm Erfin. The ore sold on those dates has been:— Tons.

Jan. 14 30 £15 18 0 Panther and Co.

Feb. 11 60 16 3 6 Walker, Parker, and Co.

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—JOHN WILLIAMS.

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THE MINING JOURNAL, Bailway and Commercial Gazette.

LONDON, FEBRUARY 23, 1867.

Public attention is at present directed not only to the novel and important controversy which has arisen between Lord Redesdale, the noble Chairman of Committees in the House of Peers, and Mr. R. S. France, an eminent railway contractor, but also to the peculiar aspect which that controversy has assumed. The noble baron, in the first instance, availing himself of his high position, on the evening of Friday, Feb. 8, asserted in his place in Parliament that the course pursued by Mr. France in communicating his allegations to the public through the medium of a pamphlet "involved a breach of privilege," and this assertion was accompanied by a threat, that unless "he received a complete retractation of all the charges, he would think it his duty to ask their lordships to order Mr. France to the bar of their House." When the noble lord again, on the Monday following, recurred to the subject, the Marquis of Clanricarde, with a due regard not only to the honour of Parliament, but also to the freedom of the subject, suggested that before Mr. France should be summoned to the bar, and placed at least in peril of committal, it was not only desirable but essentially just that the papers should be printed, in order that their lordships might know what the statements were which Mr. France was thus summarily called upon to retract, and for which he was required to apologise. To this proposition Lord Redesdale peremptorily refused to accede, and on the following morning he not only received the very reverse of any retractation or apology, but Mr. France, on the evening of that day, appearing in person at the bar, when handing in the papers, boldly avowed his determination to abide by the statements he had deliberately made. It is difficult to conceive a more undignified course than that then adopted by Lord Redesdale, who felt himself comavowed his determination to abide by the statements he had deliberately made. It is difficult to conceive a more undignified course than that then adopted by Lord REDESDALE, who felt himself compelled to propose to their lordships, not the committal of Mr. FRANCE, but the appointment of a Select Committee of their House to enquire into his own conduct. It is the right of every subject of this realm to be tried by his own peers, and Lord REDESDALE has thus selected his own tribunal, composed exclusively of members of his own order. The publication of the papers delivered in by Mr. France to which his own tribunal, composed exclusively of members of his own order. The publication of the papers delivered in by Mr. France, to which every member of the community can have access, will now put their lordships, as well as the public, in full possession of the details, but having every reliance on the independence of the British peerage, we for the present, for obvious reasons, forbear to enter into the merits of the question, feeling satisfied that it will receive an impartiat of adjudication. Probably the noble baron, upon reflection, discovered that when he

entered into a correspondence, and even rushed into print, in the hope of obtaining the approbation of the public, he had laid himself open to all legitimate criticism. It does not seem to us, considering the liberty which the press in this country enjoys, that Mr. France, in entering the lists with his titled competitor, has exceeded the limits of fair discussion, and we conceive that Lord REDESDALE acted wisely in retreating from the false, or at least questionable, position he at first a sumed of appealing to a prerogative, the arbitrary exercise of which is unsuited to our times, and would appear to be fast falling into disuse. While we await the decision of the Select Committee on the peculiar merits of the case at issue, we must be permitted to question the right which, in his correspondence, Lord REDESDALE assumes to insert in a private bill, after it has passed a Committee of his House, any clause which either his fancy or his feelings may dictate. We readily admit that in accepting and excising his office of Chairman of Committees the noble Baron did not cising his office of Chairman of Committees the noble Baron did not abdicate his right to vote as an individual peer, but we venture to assert that the duties which his office imposes upon him are merely ministerial, and neither judicial nor legislative. His proper functions are to see that the Standing Orders of the House are complied with before the bill is submitted for approval or rejection to a Select Committee, and that there is no departure from any essential requirement. When the House of which he is a member delegates its authority of the Committee the reverse of the robble between the rob rity to that Committee, the powers of the noble baron are superseded, and at an end. His official duties are thus defined by Mr. MAY, in the last edition of his work on "The Law of Parliament," p. 708:—
"To examine all private bills, whether opposed or unopposed, and to call the attention of the House, and also, if he thinks fit, of the Chairman of the Committee on every opposed private bill, to all points which may appear to him to require it, and at any period after the

bill has been referred to a Committee he is at liberty to report any

special circumstances." The Peers, to whom Lord REDESDALE has now appealed, will naturally enquire whether that noble lord, before he caused the insertion of the objectionable clause which forms the subject of the present contention, submitted either to the Committee or to the House any report of the special circumstances as a justification for its introduction? If no such report be produced we must anticipate a result favourable to Mr. France, for we contend that Lord REDESDALE has no more authority to insert clauses than he has to dispense with clauses after a bill has passed a Committee, a power which we believe he has not yet ventured to assert. The right, however, which he claims, and which in the present instance he has exercised, has developed itself by degrees; and if the line which bounds his authority should prove to be too loosely drawn, we trust that the present Committee will not hesitate to define and lay down its proper limits.

The general policy of the noble baron, as well as the Extanding Orders, of which he is the avowed author, have laid him open to the imputation of favouring the great railway companies at the expense of the minor ones, and of sacrificing competition to monopoly. Any departure from the generally approved principles of free trade are opposed to our modern notions of social economy, and we, at least, expense conceive any sound reason why railway enterprise should form

departure from the generally approved principles of free trade are op-posed to our modern notions of social economy, and we, at least, cannot conceive any sound reason why railway enterprise should form an exception. In the extraordinary powers which Parliament has considered itself authorised to confer for the formation of railways, an exception. In the extraordinary powers which Parliament has considered itself authorised to confer for the formation of railways, the exclusive interests of any peculiar companies were never contemplated; the code of laws that governs them was designed to promote the employment of labour and capital, and to advance the interests of the public in the all-important relations of trade, travelling, and traffic. It seems to be conceded, and cannot, we believe, be denied, that the clause which Lord REDESDALE, in his appellant character, introduced into the Mold and Denbigh Junction Bill after it had passed the Committee—a Bill in which Mr. France was so deeply interested—has proved highly detrimental to the interests of that minor line, by placing it at the mercy of its gigantic antagonist—the London and North-Western Railway Company. If, indeed, the facts alleged be established, it is impossible to doubt that the latter company succeeded in obtaining the advantages they derived from the introduction of that clause by a breach of faith; and under circumstances which a Court of Equity might not hesitate to over-rule. We are altogether opposed to any measures or system of legislation which may ultimately, either directly or indirectly, lead to the complete absorption of the minor lines by the great companies. In resisting the policy of which the noble baron is the avowed and apparently determined patron, we challenge him to point out a single line of railway, no matter whether it has been a contractor's line or not, no matter from what source the capital by which it was made was derived, and no matter what may be its present financial difficulties, from which vast advantages have not accrued to the districts through which it passes, and to the inhabitants as well as to the public whom it accommodates.

hich it passes, and to the inhabitants as well as to the public whom

which it passes, and to the liminotants as were as the positive whom it accommodates.

The father of Lord Redesdale once filled with distinguished reputation the high office of Lord Chancellor of Ireland, and he has left behind him an ever-memorable declaration, that he found in that country "one law for the rich and another for the poor." We can scarcely imagine that the successor to the name which he enhabled, contemplated the revival of such are proach in respect of the railways in that island, but it is remarkable that there is not, we believe, a single Irish railway bill this session before Parliament except those that are promoted by the great existing companies. This

leve, a single Irish railway bill this session before Parliament except those that are promoted by the great existing companies. This partial suspension is to be deplored, particularly at a time when much discontent prevails among the people, and the Government are anxious to encourage public works and the influx of capital into the country. Amounting, as it does, to a national evil, it is traceable, at least in a great measure, to the recent Standing Orders of last session, of which Lord Redesonale was the promoter. Any regulations must be essentially wrong which draw lines of demarcation, and which, while locking up—wholly unproductive—any portion of the capital of minor companies, enables the great establishments, without making any deposits, to avail themselves of their accumulated funds to crush all competitive enterprise. ny deposits, to a variable transfer of the national desirable transfer of the national history and the constitutional history

this country, and has, no doubt, learned that monopolies were ways odious in the eye of our law. It was early felt, even in the ys of our most arbitrary sovereigns, that a license conferring an clusive right to carry on a particular line of trade was beyond the sclusive right to carry on a particular line of trade was beyond the sut bounds of Royal prerogative. The discontents which the wisdom of ELIZABETH had appeased were, in the words of Lord MACAULAY, revived by the dishonest and pusillanimous policy which her successor called kingcraft." He, in his turn, was forced to succumb to be pressure of public opinion, for in the latter reign Lord COKE, our reat legal oracle, pronounced monopoly to be in effect an offence at ommon law; and by an Act then passed—21 JAMES I., c. 3—it was celared to be "altogether contrary to the laws of this realm." We rust that the result of the enquiry to which the manly conduct of Ir. FEANCE has given rise, will be to diminish the difficulties which to present cripple young and struggling railway enterprises, and afpresent cripple young and struggling railway enterprises, and af d further facilities for their more general development.

In the House of Lords, on Thursday, on the motion of Lord CoL LLE, of Culross, the following noble lords were appointed the Select ommittee to investigate the charges made by Mr. France in his mphlet (which is advertised in another part of this day's Journal) specting the noble lord the Chairman of Committees:—the Lord Steward (Duke of Marlborough), Earl Spencer, Earl Cathcart Lord Somerhill (Marquis of Clanricarde), and Lord Taunton

THE NORTH OF ENGLAND IRON TRADE.

The Iron Trade of the Middlesbrough district has not undergon the fron Trade of the Middlesbrough district has not undergone y improvement. This refers more particularly to the demand for iron. It is is now very considerably under the supply, and the sequence is that stocks are still increasing rapidly. The stock in re only increased slowly some weeks back, but more recently a large antity of iron has gone in, and the amount now stands at above 90 tons. Considering that the stocks in makers' hands are also y, probably one-fourth higher than the warrant stores, it is clear there is over-production in the district. This is being clearly at there is over-production in the district. This is being clearly acced upon members of the trade, and already they are discussing a matter with a view to make some change which shall bring affairs a proper level. We understand that several makers, especially see whose furnaces are of the old and smaller construction, are reing their orders for delivery as rapidly as they can, and are make arrangements for blowing-out one or more of their furnaces. The umstances of the various works are, however, exceedingly diverse; e have exceptionally good contracts for coke, which have been red into for long periods, and which are not yet expired. Some ir own ironstone, under favourable royalties; and, having their convey their minerals over any public railway, they can produce to convey their minerals over any public railway, they can produce plantare unable to do so. Some makers also have contracts on hand at much higher that than those which now prevail, and consequently they are not disposed to blow-out their furnaces. Still the subject forms a prominent for the product of the subject forms a prominent for the subject forms a prominent for the subject for the subject forms a prominent for the subject for the subject forms a prominent for the subject for the s matter for discussion at the meetings of the ironmaster; and, tless, if no marked improvement takes place in the course of a a large reduction of make will be made. At present an apt is being made to obtain a rebate off the railway dues and off nineral contracts at high figures, and there seems reason to expect ome temporary accommodation of this nature will be allowed, der, if possible, to enable the ironmasters to keep in the furnaces well known that if blast-furnaces are once blown out they are to remain out for a considerable period. A number of the er stacks were put out when the men struck, last July, and have nee been re-lighted. On the banks of the Tees there are no less ten of these furnaces now, which is more than 10 per cent. of whole number in the neighbourhood. This must have materiaffected the consumption of coke in the district, and has brought a prices of the ordinary varieties of coke. Supposing another extinguished, a number of coke ovens would have to be off, and the collieries would be put on short time, while the rail-company would lose a large sum in the shape of dues. In this tot the North of England district differs from any other ironcing centre. The coal, limestone, and ironstone have, as a rule,

to be all conveyed to the furnaces by railway, and the greater part of the pig-iron produced is also sent to considerable distances inland, to be all conveyed to the furnaces by railway, and the greater part of the pig-iron produced is also sent to considerable distances inland, so that altogether it may be safely asserted that on the average quite one-fifth of the selling price of pig-iron is absorbed in the railway dues alone. The concessions which the makers are now seeking would enable them to send the pig-iron into markets which are at present closed to them. The demand for manufactured iron is, perhaps, somewhat better, but no improvement in prices has taken place. There is at present very severe competition for all orders which are in the market, consequently prices continue low. The plate manufacturers complain that the Liverpool market is completely closed against them, the railway dues from this locality being so heavy compared with those from North Staffordshire. The Liverpool shipbuilders are able to obtain plates now at 81.5s. per ton delivered; and at this rate, for general orders, North of England houses would not have 71.10s. clear at the works. In rails the improvement has been slightly more marked, as a few orders have been placed during the last have 71. 10s. clear at the works. In rails the improvement has been slightly more marked, as a few orders have been placed during the last ten days, and prices are not of such an unremunerative character as was the case a month ago. They are still too low, however, to allow of any profit being made, even under the most favourable circumstances. The merchant mills are badly supplied with orders, and the majority are either working half-time, or are laid off till times get better. It is expected that the manufacturers will be compelled to make another reduction in wages before the trade can be attracted to this district. So much was driven away during the late strike that it will be a long time before it will be brought back again.

PRIZES FOR COAL-CUTTING MACHINERY.

The committee and referees, or judges of machines, appointed to award the prizes offered by the South Lancashire and Cheshire Coal Association for the best coal-cutting machine, consists of Messrs. J. Knowles, President of the Association; Josiah Evans, G. Gilroy, G. C. Greenwell, A. Hewlett, John Holland, Thos. Knowles, John Lancaster, James Radley, and Fereday Smith; and, as great interest attaches to the subject, we subjoin the regulations issued by the committee for the guidance of competitors:—

The committee on this subject are of onlone.

mittee for the guidance of competitors:—

The committee on this subject are of opinion—

1. That compressed air is the proper motive-power for working coal-cutting machinery. (Machinery for compressing air is already erected at several collieries in the neighbourhood of Wigan, and will be placed at the service of inventors, on application to the under-signed.)

2. Inventors taking a prize must be bound by the following condition:—That no annual payment, or tonnage royalty, as patent right, shall be charged to any present or future member of the above association, but that such member shall pay a patent right on the purchase of each machine, to include the working thereof, which patent right shall in no case exceed 50 per cent. of the cost of the machine.

3. The committee reserve power not to award any premium unless they are satisfied with the performance and capabilities of the machine, or machines, Nov. 1.1867, will be the state.

submitted for trial.

4. Machines furnished for trial, in compliance with the advertisement, by Nov. 1, 1867, will be tried by the committee, who will make their award thereupon in or before the month of May, 1868.

5. The committee direct the attention of competitors to the following requirements to which the machine must be adapted:—Thickness of seams, from 2 to 9 feet; dip or inclination, from horizontal to an angle of 20° ; as to weight of machine, lightness and easiness of movement destrable; maximum size of tub or wagon used in the mines, $3^\circ 6^{\prime\prime} \times 3^\circ 0^{\prime\prime}$ and 3 feet in height; gauge of road, from 1' $6^{\prime\prime}$ to 2^\prime 3°.

RATING OF MINES BILL.

RATING OF MINES BILL.

On Tuesday Mr. Percy Wyndham obtained leave to introduce a Bill to "assess mines, woodlands, and plantations to the local rates," and thereby to put an end to certain anomalies in the law which now existed. The House was already in the possession of ample information on the subject. In 1855 a Committee was appointed, which sat for two sessions, and made a full report, stating that they saw no reason when coal mines were rated for the poor other mines should be exempt. When the question was brought before the House last session, Mr. Villiers, the then President of the Board of Frade, opposed legislation, because the question of liability was then before the Superior Courts. The question had been decided in favour of the exemption, and, therefore, this Bill became necessary. The exemption of mines from rating was nothing more than a protective exemption of this description of property, and in Cornwall it had had the effect of keeping capital in a stagnant and unproductive state. In other parts of England, where vast mining wealth had been discovered, the exemption was in favour of the riches property in the country. The right principle would be to extend the principle of rating coal mines to other mines. As to woods and plantations, he proposed they should be rated in the value of the land on which they stood.

Mr. GATHORNE HARDY, on the part of the Government, would offer no opposition to the introduction of the Bill, but the hon, member laboured under a mistake if he thought that the law on the subject was finally settled, as there were cases in the Exchequer Chamber to determine whether the dicta of the judges up to this time were to be upheld.

Mr. BARNALL said the mover of the Bill was in error in supposing that there was any general agreement in the evidence taken in 1837 that the system of assessing coal mines was based on a fair principle; and unless that portion of the Bill was placed on a sounder principle he must oppose it.

Mr. COLVILLE would not oppose the introduction of the B On Tuesday Mr. PERCY WYNDHAM obtained leave to introduce a

whereas it is expedient that such distinctions and exceptions should cease. Be it enacted that—

1.—From and after the 1st of October next, mines and minerals of every description in England and Wales shall be liable to be rated to local rates, in the same manner and to the same extent, so far as circumstances will admit, in which and to which coal mines are liable to be rated to local rates; and all woods and plantations shall be liable to be rated to local rates upon the rateable value of the land on which they are grown.

2.—Provided always, that where any mine shall, at the passing of this Act, be held upon a lease reserving rent in money, royaity, toll, or due, other than in kind, the occupier of the mine which by reason of this statute shall become rateable shall be entitled to deduct from the rent, royaity, toll, or due payable under such lease one molety of the sum charged upon bim towards the said rate in respect of such mine before the day upon which such rents shall have accrued, and the lessor or person otherwise entitled to such rent, royaity, toll, or due shall allow such deduction in part payment thereof.

3.—Provided also, that where, at the passing of this Act, any lord or owner of a mine is assessed to local rates in respect of such mine, nothing in this Actshall be held to disturb such assessment during the continuance of existing setts.

PETROLEUM IN NEW SOUTH WALES.—No more oil-works have been started since last account, and there is not any likelihood of any more being put to work at present, as there have been no fresh deposits found of late, and there is not much inclination to The Hartley Paraffin Oil-works and the Mackenzie and Recosene Works are alone manufacturing oil in the Hartley district at present. The former company are still making large quantities, and selling it at Sydney and other places. The greatly talked of New Zealand oil-wells are now unheard of. Retorts, stills, &c., are now on their way to the Mackenzies' Mine, near Bowenfels, for manufacturing about 1000 to 1200 gallons of refined oil per week, and the proprietors expect to get their oil in market by the end of March.

A FEW RAILWAY FACTS .- In the second half of 1866 the mineral raffic of the Midland Railway Company yielded an increased revenue of 10,689%, as compared with the corresponding six months of 1865. This company has now 4,000,000% of capital engaged in works which are not yet reproductive. During the past half-year 11 new locomotives and a considerable number of fresh carriages and trucks were placed upon the system, the whole cost being charged to rewere placed upon the system, the whole cost being charged it revenue. The quantity of goods and minerals carried over the London and North-Western Railway in the last six months of 1866 was 8,091,748 tons, as compared with 7,569,232 tons in the corresponding period of 1865. The quantity of coal and coke carried over the Lancashire and Yorkshire Railway in the second half of 1866 was

1,650,176 tons; the average receipt from each ton was 1s. 4d. The Lancashire and Yorkshire Company expended last year 445*l*, per mile in maintaining its permanent way. The latest corresponding return with regard to the Great Northern shows an expenditure of 430*l*, per mile; on the Midland, 290*l*, per mile; on the North-Eastern, 240*l*, per mile; on the London and North-Western, 350*l*, per mile; and on the Manchester, Sheffield, and Lincolnshire, 300*l*, per mile.

FOREIGN MINING AND METALLURGY.

The Belgian collieries are passing at present through a mixed period, which is not the dead season, and which, nevertheless, somewhat resembles it. Business has not the same activity that it presented during the winter, domestic wants being curtailed by the mildness of the season. Extractors are energetically opposing a reduction of which is a contaction with least transfer. what resembles it. Business has not the same activity that it presented during the winter, domestic wants being curtailed by the mildness of the season. Extractors are energetically opposing a reduction of prices in connection with long-termed contracts, as they hope to witness during the season which is commencing the prices of the past year; but, nevertheless, they are not sufficiently certain as to the stability of the price of coal not to be induced to engage before hand a part at least of their production. For the present prices remain the same, but opinion appears to tend in favour of a fall. Freights from Charlerot to Paris stand at 7s. per ton. The state of the Belgian iron markets remains much the same. The strike, which made such a noise a week or two since, appears to be stopped, the work men having accepted the reduction insisted on in wages, and having returned to their work. The quantity of iron minerals imported into Belgium in 1866 represented 367,000 tons, as compared with 340,000 tons, in 1865, showing a falling off last year of 33,000 tons. The exports of minerals from Belgium amounted in 1866 to 157,000 tons, showing a reduction of 42,000 tons, as compared with 1865. The imports of rough pig in Belgium have increased in a remarkable manner during the last two years. Thus while they amounted to only 9500 tons in 1864, and last year they further increased to 3,500 tons. England furnished the greater part of the rough pig imported. The exports of pig from Belgium have experienced a contrary movement. Thus while they were 26,000 tons in 1864, they were only 10,700 tons in 1865, and 15,300 tons in 1866. England entered into the total exports for 5900 tons in 1864, they were only 10,700 tons in 1865, and 15,300 tons in 1866. England entered only 810 tons of Belgian pig, and France only 8100 tons; and in 1866 England received only 930 tons of Belgian pig, and France only 9100 tons in 1866 tons and in 1866 England received only 930 tons of rails from Belgium presented a notable falling off last year

Company, March 9, at Charlerol.

The French concern known as the Société Anonyme des Chantiers et Ateliers de l'Ocean has no dividend for its shareholders for the year 1866, the exercise having resulted in a rather serious loss. Some orders have slightly revived the St. Dizier market, but they are not very numerous. Offers have been made at a reduction, which has not been agreed to by bolders, who bold firmly, and appear to consider that they have already made sufficient concessions. Rolled froms from coke-made pig are quoted at 71. 19s. per ton: ditto, from mixed pig, at 81. 68, per ton; served and served in a consider that they have already made sufficient concessions. Rolled froms from coke-made pig are quoted at 71. 19s. per ton: ditto, from mixed pig, at 81. 68, per ton; with a scale of 4s. to 8s. per ton between the classifications. In the northern group the state of affairs is the same, and prices have not varied; merchants' irons remain quoted at 71. 16s. per ton for first-class No. 2. A reduction of 10 per cent. In their wages has been accepted by the workmen in the Manbenge group. Meetings are announced as follows:—Montand St. Etiene Mines Company, Feb. 23, at St. Etienne; Cremot Works (Schneider and Co.), Feb. 27, at Paris; Rulhe Collierles Company, Feb. 28, at Paris; Haute-Loire Metallurgical Mines Company, Feb. 28, at Yssingeaux; Paris Coal Company, March 2, at Paris; Bank of Mines, March 16, at Paris; and Denain and Anzin Blast-Furnaces and Forges Company, April 26, at Paris. French railway traffic has made a bad beginning this year, party owing to the severity of the weather, and partiy owing to the dulness of trade.

The revival noticed in Chilina copper at Havre has given place to feebleness. The sales made have been inconsiderable, and purchasers

and organisms this year, party wing to the weather, and party owing to the uniness of trade.

The revival noticed in Chilian copper at Havre has given place to feebleness. The sales made have been inconsiderable, and purchasers have been less numerous; 55 tons of disposeable Chilian in bars have changed hands at 781, per ton, Paris conditions. At the last dates the market remained quiet and heavy. There has been little animation on the Paris market. English has been quoted by continuation at 821, Chilian at 771, and Corocoro mineral at 811. At Marseilles affairs are almost nii, except as regards small lots. Toka has made 821; Spanish, 781, refined Chilian and Pervian, 881; ditto rolled red for steathing, 921; ditto yellow for shea hing, 881, per ton. On the majority of the German markets copper has undergone only very unimportant variations. Tin continues to display favourable tendencies on the Dutch markets, although the demand has been maintained within rather narrow limits. Banca has been dealt in at Amsterdam and Rotterdam at 525 to 53 fls.; on these terms about 4300 blocks have been run off, and at 53 fls. purchasers still presented themselves. Billiton tin has been quoted at 52 fls. Prices have been tolerably firm at Paris, being quoted by continuation—Banca at 921, stratts at 901, and English at 891. Per ton. Advices from Germany, without indicating an exceptional demand, represent the article as well supported. At Hamburg prices have sensibly hardened. Some transactions in Stolberg lead have been concluded at Rotterdam at 11½ fls. The Paris lead market has remained quiet; rough French has made 201, per ton, and Spanish 201, sa per ton. At Marseilles lead in sammons, first fusion, has made 191, per ton, and rolled and in pipes 211. 8s. per ton. These prices, it should be understood, refer to goods in warehouse. For consumption, lead in shot has made 211. 12s. and rolled and in pipes 211. 8s. per ton. At Hamburg small quantities are taken off at the quoted at 255, but as regards lots of some little import

REPORT FROM SCOTLAND.

FEB. 20.—This week the Dundyvan Pig and Bar Ironworks, near Coatbridge, have been brought into the market, and offered for public sale. The property is an extensive one, and includes two blast-furnaces, complete machinery for turning out 350 tons of finished iron nerweek, workmen's houses, stores, &c., lease of the various minerals, &c., held by them, with all the plant in every department. No upset price is named, and the highest bidder is to be considered the purchaser, if the bid exceeds the reserved price. A foundry and engineering works in Greenock are also offering for private sale.

We have had another flat week in our pig-iron market, and although a few thousand tons have been purchased, it has been mostly at drooping prices. Sellers have been keeping up quotations by 1½d. a ton, and buyers have been holding off in order to secure the reduction. Perhaps the principal cause of this continued depression is the fear that the 48,000 tons held by an English firm, and which is atpresent the subject of litigation. may be thrown any day on the mar Coatbridge, have been brought into the market, and offered for public

present the subject of litigation, may be thrown any day on the mar-ket for immediate sale. It it were cleared off, prices are expected to advance. The shipments for the week are considerably over those of week in 1866; still there is not much life in the market. to-day only 500 tons warrants were disposed of, at 53s. 8d. cash four-teen days, closing buyers at 53s. 6d. cash, sellers 52s. 7½d.; No. 1 Colt-ness and Gartsherrie, 66s.; No. 1, g.m.b., 54s. 9d.; No. 3, 54s. 3d.

Orders for Malleable Iron continue more numerous, but there are not sufficient offering to keep the works on full time, even at the reduced rates. Ship-plates are pressed on the market at lower prices duced rates. Ship-plates are pressed on the market at lower prices than have been current here for many years, without leading to much business. Ironfounders are fairly supplied for orders, and the Glasgow Water Company and the Jedburgh and Galashiels Gas Companies are in the market for pipes, &c. The pipe and railway-chair departments of the Phœnix Foundry are to be re-exposed to public sale at the reduced upset price of 25,000%, being 19,000% below their appraised value. Coals are quieter, and prices are declining; by the end of the month a general reduction is expected. The foreign shipments are limited, but the coastwise are to an average extent, the combined quantity for the week being 22,385 tons, against 19,640 combined quantity for the week being 22,385 tons, against 19,640 tons in the corresponding week last year. The miners are still unsettled, the reductions in their wages giving them annoyance. We observe that the Quebec Morning Chronicle notices a meeting of the merchants of that port, complaining of frauds in the weight of coal imported from Scotland. This is to be regretted, inasmuch as it is reported that some masters of coal-laden vessels make a practice of selling coals at sea to the captains of vessels requiring coal, and the Scotch shipper gets the blame of it. The rule should be, that masters should be made responsible for the weight of their carges on de-livery, and this would prevent the sale of coal at sea for the future At a meeting of the Royal Society in Edinburgh, on Monday, Sin David Brewster in the chair, Prof. Sir J. Y. Simpson performed an experiment to show how, by the agency of mineral oil, such as pa-

raffin, heat could be generated in an extremely short space of time, and with a very considerable saving of fuel—an experiment which, if carried into practical effect in the working of steam-engines, would be of immense service in the interests of commerce and navigation.

be of immense service in the interests of commerce and navigation. The Gippsland Steam Navigation Company have this week added to their fleet an iron paddle steamer, intended for their trade between Melbourne, Port Albert, Barnsdale, and up the Lake to Sale. Lately this company purchased the Murray, which was also built by the same firm, Messrs. Wingate, Whiteinch, near Glasgow.

It is said that the stamp duty on the personal estate of the late Mr. Alexander Cuninghame, of Craigends—a partner in the firm of Merry and Cuninghame—is 7600-ft, which covers the concuous amount of half a million.

A fire broke out in the Drumpeller Coal Company's Blair Pit, near Coatbridge, on Wednesday, and continues burning. It appears that two men came suddenly upon a "hitch." in driving a level, and liberated the gas, which ignifed at the lamps. Fortunately, all in the pit escaped without injury, and in the evening, when all efforts to extinguish the fire had failed, a wall was built across the level, to isolate the district from the other workings.

REPORT FROM NORTHUMBERLAND AND DURHAM.

FEB. 21.—The period when the annual bindings of the coal miners in this district takes place is now rapidly approaching; indeed, some of the bindings are to be proceeded with on Saturday next. The custom of yearly engagements has prevailed in this coal field from the earliest times, and no doubt it had its origin in the yearly engagements of agricultural labourers, as the first miners would be derived from the families of the cultivators of the soil. The custom, however, so far as we are aware, does not prevail in any other locality of engaging miners for a whole year. It has, however, existed from an early time here. However, when the great strike took place throughout the district, in the year 1844, these agreements were interrupted, and a monthly one was substituted, but this, during the last few years, has been gradually dying out, the old yearly bind taking its place; indeed, a large number of the collieries in Durham are under this agreement, and have been for some time. But it is remarkable that the monthly bind continues to hold its ground in the collieries of Northumberland, and there the men appear to resist the introduction of the yearly bind, although the masters have long been anxious to FEB. 21.—The period when the annual bindings of the coalminer of the yearly bind, although the masters have long been anxious to return to the old system, which, after ample trials, certainly proves to be the best for all parties.

The objections to the monthly bind are that the system merely en-

courages a wandering, unsettled disposition among the men, and thus a heavy expense is entailed upon the masters in removing them from place to place, and no benefit is derived by the men, but the reverse, as they always lose time in changing. With a yearly agreement the men get a house and coal, and generally a piece of garden ground, and they are certainly all the better for remaining one year, or, as and they are certainly all the better for remaining one year, or, as many of them do, several years at one colliery; indeed, many of them never remove at all, but spend their whole lives at one concern; and it is certainly absurd to suppose that the value of labour can fluctuate much from month to month; the probable value can always be determined pretty nearly for a year, so that, on the whole, it is evident that the yearly agreement is the best. This agreement will, we believe, be nearly universal throughout the works in the county we believe, be nearly universal throughout the works in the county of Durham very shortly, but whether the same system may yet be introduced into Northumberland appears to be doubtful, as the men appear to have set their minds against it. As to the terms, it is not expected that any changes of importance will take place in this respect. On Monday the first sod was turned for a new colliery, under Mr. Rolmes's Fiddon Hill Estate. The winding and pumping-engines are in course of erection, by Mr. Smith, of Chester-le-street, and the colliery works will be carried out by Mr. Morgan Robson, who has for many years been practically connected with the neighbouring collieries.

Mr. G. Robinson, late overman at Felling Colliery, has been presented with a gold watch, bearing the following inscription:—" Presented to

ar, G. Robinson, tate overman at reining Colliery, has been presented with a gold watch, bearing the following inscription:—"Presented to Mr. George Robinson as a token of respect from his friends, on his leaving the felling, as a mark of esteem and regard for him as a master and neighbour. Feb. 16, 1867." Mr. George Pearson, overman, made the presentation. A gold ring was also presented to Mrs. Robinson.

REPORT FROM DERBYSHIRE AND YORKSHIRE.

FEB. 21.-The strike at the Staveley Collieries, which has lasted for upwards of five months, is now virtually over, upwards of 2300 men in connection with the mineral department of the company having become Non-Unionists. The strike may be said to have all but terminated more than a fortnight ago, when three of the local delegates applied to be allowed to return to their work, and were refused. Business has now resumed something of its old proportions. The concern ness has now resumed sometime of its one proportions. The concern is one of the largest and most complete in the kingdom, and, in addition to a large staff of engineers, viewers, and surveyors, it employs no less than seven chief overmen for their mines, and more than 50 deputies, the whole being under the management of Mr. C. Markham. There are six large collieries and two ironstone mines, besides the vast puddling-furnaces, rail and plate-mills, casting-shops, &c., the There are six large collieries and two ironstone mines, besides the vast puddling-furnaces, rail and plate-mills, casting-shops, &c., the company having a high reputation for iron of all sorts, their gas and water-pipes in particular being in good request. There are generally between 4000 and 5000 persons employed, but those actually dependent on the works for support will number close upon 15,000. These particulars may not be uninteresting, as the dispate will form no unimportant part in the history of trade disputes, seeing that it is the first instance in which a body threw overboard their leaders, and secured their individual liberty, and the right to sell their labour in whatever ma.ket they pleased. At Cinder Hill, and other places where disputes have recenly occurred, there is every prospect of their giving way. At the Devonshire Silkstone Works all the top work has been completed, as well as the cages, pulleys, rollers, &c., and the new pumping-engine is fully at work. They are now drawing about a ton at the time, and the quantity of coal raised daily will be very large indeed. On Thursday there was a half-yearly meeting of the shareheiders at Bury, when several of them were in favour of having a dividend declared. This was successfully opposed by the directors, on the ground that such a course could scarcely be adopted before they had completed their works and commenced drawing coal. At Sheepbridge, business is by no means active, and two of the furnaces are out.

In Yorkshire there is not much alteration in the state of affairs, the Sheffield trades showing very little improvement. Several of the houses in the heavy steel and railway plant business are, however, favourably off for orders, whilst makers of light goods are only doing a moderate trade. Several of the shippers of steel to America are busy just now, and will be so up to the end of March, in anticipation of the new tariff, which, it is to be feared, will pass into law, and, so far as English-made steel and other goods are concerned, entirel

rnace blown-in in the course of a few days.

The South Yorkshire Coal Trade is not so active as it has been. n and southern markets, owing in some measure to the fine weather, and to the stocks already in hand. Slikstone nuts are in brisk request for gas purposes and smiths' work, and all that is raised meets with a ready sale, as does also nearly all qualities of slack and smudge, there being little or no coke now made from the large coal. The trade to Grimsby, Hull, and Goole, as well as to made from the large coal. The trade to Grimsby, Hull, and Goole, as well as to the Lancashire cotton districts, remains in about the same state as previously noticed. Coke continues in good demand, and at some of the collieries, such as Wharncliffe Silkstone, where there are some 200 ovens, there is a great quantity made for the large steel works in Sheffield, including the Messrs. Brown and other well-known firms. The furnaces in Lincolnshire are also taking a large quantity of coke, which will be considerably increased as the new ones in the course of construction are put in blast.

The fund in aid of the sufferers by the Oaks Colliery explosion was be said to have closed, and the subscriptions are being called in by the local

The fund in aid of the sufferers by the Oaks Colliery explosion may be said to have closed, and the subscriptions are being called in by the local committee. Although the sum raised is not so large as the committee asked for in the first instance, still the amount which will be received will be sufficient for all necessary purposes, and will, probably, reach 45,000. With regard to the permanent fund, for which a committee has been formed, under the presidency of Earl Fitzwilliam, and for which some 2000), has been received from the Hartley Fund, it is by no means certain that the intention of the promoters will be realised. It is proposed that the fund shall be raised by a voluntary levy of ½d, or ½d, per ton on the coal raised from the owner and collier. Now, it is by no means certain that the colliery proprietor, who is already heavily rated, will volunteer to again rate himself to a considerable extent; while, on the other hand, the collier is paying at present to one or two sick and trade societies, be-

portant of which would be with regard to the strikes, which frequently take place in the district, and how they would affect the levy by masters and men. The question is far more difficult then would appear, and the carrying of it out in a satisfactory manner in the way indicated is more than doubtful.

During the week several interesting experiments have been made at the Swaithe Main Colliery, near Barnsley, for the purpose of testing the effects of gun-cotton in blasting. An improved fuse was adopted, and the experiments, which were carried out by Mr. John Mitchell and Mr. Pease, were more successful than was expected. On several of the shots being let off it was found, on putting out all the lights, that there was no blaze or tham—the same as in the opinion of many persons was the cause of the explosion at the Oaks—so that of many persons was the cause of the explosion at the Oaks—so that greater safety, combined with economy, has been the result. There can, therefore, be very little doubt but what gun-cotton will come

can, therefore, be very little doubt but what gun-cotton will come into pretty general use in all pits where the coal is got by blasting.

Mr. Arnold, of Barnsley, has just brought out a Vertical Tube Boiler, which is a great improvement over the ordinary two-flued or Cornish boilers, and by which a saving in fuel of 25 per cent. is effected. The boilers have two fire-holes, merging into one beyond the bridge, being supplied with vertical tubes, 3 in, in diameter. The one first made has given the greatest satisfaction, and another 40 ft. long, is being constructed for the North Gawber Colliery.

A good deal of interest has been excited in the Yorkshire coal district by the offer of the colliery proprietors of South Lancashire and Cheshire to give three prizes of 500l., 200l., and 100l. for the best coal-cutting machines suitable to the requirements of the trade. As the introduction of those machines has been almost confined to Yorkshire, it is not unlikely that the prizes will come into the district. Amongst the machines which have been tested, those of Messrs. Donis-Amongst the machines which have been tested, those of Messrs, Donisthorpe and Co. have been the longest in work. Messrs. Booth and Farrar, of Barnsley, have just got their improved patent machine, the first one having been tried in the Oaks Colliery some months since, completed, and they will be amongst the competitors. Messrs. Beacher and Gillott, of the Thornecliffe Iron and Coal Works, are also making a new machine, with cast-steel cylinders, working a sec also making a new machine, with cast-steel cylinders, working a series of some 10 or 12 picks in rapid succession. The trial will be of the most interesting character, as the coalmasters, not only of Lancashire and Cheshire, but in nearly all colliery districts in the kingdom, are anxious to obtain a machine which can be depended upon

cashre and Cheshire, but in hearly all contery districts in the kingdom, are anxious to obtain a machine which can be depended upon, and the adoption of such an one would be general.

The Messrs, Leather and Co., of the Wadsley Steelworks, near Sheffield, who a short time since had to throw themselves on the kindness of their creditors, have now made known their ability to discharge their liabilities in full. The Higham Colliery dispute having been settled, the men at the Warrendale Colliery, belonging to the same firm, have asked for an advance of id. per ton. They also ask for several minor alterations, which, it is possible, will be conceded; but it is hardly likely, after what has been said by the executive of the South Yorkshire Miners' Association to the colliers employed at Carry House, that the general advance will be made. The association does not feel itself in a position to support such a demand, and without such support it is useless to expect any concession. After waiting nearly an hour on the ground, so as to give the promoters of the meeting the opportunity of assembling, it was resolved, on the motion of John Frith, seconded by Samuel Broadhead, that the meeting be adjourned until Friday afternoon, in order that due notice may be given to every individual miner employed at the pit to attend.

Having just returned from the Oaks Colliery, I find that the fact of the 9-inch pipe having at times become a downeast, and so taking the fresh air down to where the fire, in all probability, exists, an apparatus is being erected, and will be ready by Saturday, for sending down carbonic acid gas instead of fresh air. The quantity of gas oozing from the pipe averages from 500 to 550 cubic feet per minute.

oozing from the pipe averages from 500 to 550 cubic feet per minute.

REPORT FROM MONMOUTH AND SOUTH WALES.

FEB. 21.—The Iron Trade of the district has for so long a period laboured under the greatest depression, that any signs of improvement are gladly welcomed. There cannot be a question but that a decided reaction has taken place during the past month, but as it has been chiefly created by the enquiries from America, doubtless through ment are gladly welcomed. There cannot be a question but that a decided reaction has taken place during the past month, but as it has been chiefly created by the enquiries from America, doubtless through anticipations of the new Tariff Bill passing into law, it is a question whether the improvement will prove a permanent one. The general opinion is that it will, lnasmuch as directly the reduction of wages became an established fact, whereby masters were enabled to enter more freely into transactions, and there was a revivification in the American trade, many of the large home consumers, who had long kept back from entering into transactions, appeared in the market with their most pressing orders, doubtless thinking it wise to do so with the price of rails advancing, and "our American cousins" placing their specifications early in the day, so as to have deliveries before the increased import duties of the new Tariff Bill came into operation. Independent of this, spring is advancing, and with it will, doubtless, come a very satisfactory trade with the Canadas and Russia, and from both quarters there have been several good orders aiready received, whilst the expected demand from Italy, and one or two of the other markets of Southern Europe, are indexes of "a good time coming." Of late most of the shipments of iron from the local ports have been to the States of America, and there is no doubt but that shipping operations to the same quarter will continue pretty good till the end of March. Most of the leading works are tolerably well employed; in fact, there is no grumbling among the men, under present circumstances, and all are looking forward to more favourable times. The pig-iron trade has been favourably affected during the heat past week, but not to such an extent as to cause an alteration in quotations. In the Tin-plate Trade there is a slight improvement in the demand for charcoai qualities, and prices are well maintained. There is certainly not so much doing in the Steam Coal Trade, but, on the whole, the de

rectors was declared.

The Great Western Collieries Company (Limited) have declared a

lividend at the rate of 8 per cent. per annum. The company's collieries have urned out much better than was anticipated. The Monmouthshire Wagon Company (Mr. C. Bailey, M.P., in the chair) have declared a dividend of 8 per cent. per annum for the past half-year. The Bristol and South Wales Wagon Railway Company (Mr. J. Perry in the chair) have declared a dividend at the rate of 10 per cent. per annum, with the addition of a bonus of 1s. per share, equal in the aggregate to 2 per cent. per annum.

num, with the addition of a bonus of is, per share, equal in the aggregate with the period of the pe

able adjunct to the company.

The Dinas Colliery, for some years past the sole property of Major Hunt, has lately become the subject of a partnership arrangement. Sir J. B. Karslake and Mr. George Fisher, for many years connected with the Taff Vale Railway Company, have joined the gallant major, and Mr. Fisher is to be the managing partner. Mr. C. Anderson Harrison, formerly of New Tredegar and Risca Collieries, has been appointed resident viewer.

The arrivals at Swansea include—the Jeune Fanny, from St. Malo, with 80 tons of zinc ore, for D. M. Rowlands; the Jeune Colombe, from St. Malo, with 100 tons of zinc ore, for W. Grawshay; Princes des Anges, from Cherbourg, with 10 tons of iron ore, for W. Crawshay; Princes des Anges, from Cherbourg, with 80 tons of iron ore, for W. Crawshay; and the John Rosser, from Genoa, with 36 barrels of lead ore and 70 tons of copper ore, and 108 tons of copper ore from Sestri Levant, for H. Bath and Son.

FOREST OF DEAN.—The introduction of electricity has been lately effected by Mr. Cornelius Brain, at the Trafalgar Colliery. The novelty and success of which deserves special notice. It should be mentioned that this work is under the joint management of Messrs. T. B. and W. B. Brain; and a short time ago a great difficulty arose in working one of the veins, in consequence of the declivity of the coal. So much was this the case, that the ordinary method of hauling the loaded carts to the bottom of the shaft become not only very expensive, but uitimately impracticable. To meet the difficulty, an engine erected on the bank was brought into requisition, to which was applied a length of chain reaching to the extremity of the workings. A great difficulty now arose in regard to instantaneous communication. The "dipple road" reaching a considerable distance, as well as the shaft being upwards of 209 yards in depth. The idea of electricity struck Mr. W. B. Brain, who is the engineer, and who is also well up in this valuable science, that it might be advantageously applied here. Accordingly a pair of electricite lis were procured, and connected by wires, and earried down the pit, and along the road to the extremity of the workings. One bell being placed in the engine-house, and the other near the top of the dipple. By a clever arrangement of the "current," the men in any part of the incline, by touching an electrical tapper, a number of which are placed along the road, signals for the instantaneous stopping or starting of the engine can be made; while this is going on the other man in a large of the bottom of the shaft is, by the same signal, ap-FOREST OF DEAN.—The introduction of electricity has been lately means certain that the colliery proprietor, who is arready nearly rated, will volunteer to again rate himself to a considerable extent; while, on the other hand, the collier is paying at present to one or two sick and trade societies, besides having to meet heavy levies in the case of strikes and lock-outs, sometimes, to the amount of 2s. and 2s. 6d. per week. But, as one of the principals of the Miners' Association said a day or two since, the men would not pay to any fund which they had not a large share in the disposal and management of. Then there are many other things to be taken into consideration, not the least im-

prised of the message being conveyed. It is obvious, then, that such a scheme must have been a great achievement, and a triumph over a by no means small difficulty. The only drawback to its complete success was found to consist in imperfect insulation of the wires, but through the recommendation of Mr. Frost, of Blakeney, who is well known in the district for his practical knowledge of electricity, and who has acted throughout as electrician to the colliery, a necessity, and this has been found to meet every requirement. Having been so successful in this application, Mr. W. B. Brain thought electical communication might with advantage be made to supersede the old, and somewhat clumsy, method of signalling between the "hanger-on" and the engineman. For this purpose, an instrument, manufactured with great care by Mr. H. Izant, of London, and employed on some of the metropolitan lines of railway, was introduced. This instrument is fixed in the engine-room in front of the engineer. At the pit bottom the "hanger-on" is provided with a pair of electrical tappers, coloured respectively—white and red. On tonehing the white tapper the bell in the engine-house is instantly struck, and the words "go on" show themselves on the dial plate attached. On touching the red the bell is struck as before, and the words "stop," in white letters on a red ground (as indicative of danger), is shown. By a repetition of the touch any number of knocks may be given. This, also, has been found to answer admirably. Electrical communication has also been laid in by Mr. Frost from Mr. Brain's office to different parts of the works, so that he can be instantaneously communicated with on any matter affecting the colliery. The instruments employed are the common needle, and with bells attached. They have been, we understand, constructed for the works by Mr. Frost. The care manifested by the owner and managers of this work cannot be passed over without notice; indeed, all the arrangements are of the most perfect character, and as an instance of th

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

FEB. 22.—The improvement previously noticed in the Iron Trades maintained. There is a continued supply of home orders, and the oubt cast upon the chance of the increased Tariff Bill passing in the Inited States tends to remove the main ground of anxiety as to the trade of the present year. On the whole, prospects look more hopeful. The demolition of two blast-furnaces is only in accordance with the long-decided arrangements of the firm owning them, who have built others, and are about to get the mines under the old ones.

There is also a fair degree of recovery in the Hardware Trades. The Lancashire orders are increasing, and the foreign and colonial demand somewhat improving, though orders are for small amounts. The Staffordshire Potteries promises to make a good appearance in the Paris Exhibition of this year, the leading manufacturers sending many choice specimens of their productions.

THE SOUTH STAFFORDSHIRE COAL FIELD.—Some members of the Dudley Geological Society, including Messrs, Beckett, F.G.S., Dr. Fraser, H. H. Beckett, Hollier, Parton, Aliport, Madeley (secretary), Cole, &c., by permission of Mr. F. Smith, and under the guidance of Messrs. Jeffries and Spruce, made an excursion to No. 3 pit at Himley, for the purpose of examining the workings which have been carried out into contact with the western or boundary fault of the South Staffortishire coal field. The shaft is about 120 yards deep, but from the steep inclination of the atrata, as much in some "instances as one yard in four, the depth of the pit at its furthest workings is fully 80 yards more. This colliery was opened about ten years ago, and is referred to in Juke's "Memoir of the South Staffordshire Coal Field." It remained closed for some three or four years, since which period it has been worked under the direction of Messrs. Spruce, and a cursory examination soon convinced the visitors that it required more than ordinary skill and care to carry on the operations with anything like safety. The strata, more especially approaching the fault, are much distorted and broken up, masses of coal, having four smooth faces, and as such are much more liable to fall without warning, being pointed out in many places by those in charge of the mine. The thickness of the seams worked under the denomination of the thick or ten-yard coal varies from 5 to 7 yards, there being a considerable portion which cannot profitably be gotten. Mr. Jukes says, in his Momoir, that it is very remarkable there seems to be no corresponding addition to the height of the brooch coal in this and No. 1 pit, near the Fire Tree House, but as the thickness between the flying reed coal and the remainder of the thick coal increases, that between the flying reed coal and the remainder of the thick coal increases, that between the flying reed coal and the remainder of the thick coal increases, that between the flying reed and brooch diminishes in nearly the same rati THE SOUTH STAFFORDSHIRE COAL FIELD .- Some members of the

MINING, METALS, AND MINERALS - PATENT MATTERS. By M. HENRY, Patent Agent and Adviser, M. Soc. Arts, Assoc. Soc. Eng.

Among recent specifications appears that of WEATHERDOWN, No. The invention is communicated from J. Toth, of Pesth, in Hungary, and it has for its object the preventing of incrustation in steam-boilers. The invention relates to an improved apparatus for clearing the feed water from all foreign matters, whereby greater economy of fuel and uniformity of surface heat is maintained than at present. The apparatus consists of an upright cylindrical vessel, 18 ft. high by 6 ft. in diameter, divided horizontally into two compartments. The upper one is furnished with vertical copper tubes, surrounded with water to the depth of 12 ft., whilst the lower one is supplied with steam from the waste-pipe, and causes the said water to boil. The water passes off in its heated state through the medium of a tube in a trough composed of intervaling with the medium.

water passes off in its heated state through the medium of a tube in a trough composed of intervening gutters. It deposits on its passage through the same the carbonates and other salts or matters which form the incrustations, and finally passes direct to the boiler-tank. An invention emanating from Hungary may be hailed with especial pleasure, as there is every reason to hope that if the result of political matters should be the restoration of public content in this important kingdom, its great natural resources will be supplemented by industrial enterprise calculated to increase its prosperity and augment the national wealth. Hungary is a country rich in physical products, and it would be rich in industrial products if its resources were developed, and the energy of its sons turned to profitable account in the numerous paths of manufacture and the useful arts. Under a section of the intervention of the constitutional freedom, and secure in the general acquiescence, this object might be attained.

GEDGE has specified, as a communication from C. Allam and J. Trottier, of Parls, some improvements in metal boxes, mainly consisting in sub-

GEDGE has specified, as a communication from C. Allam and J. Trottler, of Parls, some improvements in metal boxes, mainly consisting in substituting in all parts of the box where possible for soldering by the hand the use of a particular fastening. The specification of Watght, of Homerton, has been recently published. It comprises improvements in furnaces, furnace-bars, and furnace-doors. The improved arrangements, as respects the furnaces, and furnace-doors. The improved arrangements, as respects the furnaces, and furnace-doors. The improved arrangements of the passages, open at the outer end to the external atmosphere, or communicating with a fan or blowing-machine, or apparatus, for forcing in currents of air, while at their other ends these passages open over, or nearly over, the fire-bars, and preferably over the back of the bars, or over the bridge. The passage of air is regulated by throttic-valves, which may be worked by connections with the furnace-door, or by other means; or the admission of air may be regulated by a slotted door, aliding over a slotted part travels a sliding slotted door, having at one end a shank, or stem, bearing against a stud, or projection, on the door, so as to open when the door opens. It is closed again by hand. When the slide is opened, the slots in it are opposite to, and coincident with, the slots in the furnace-door, as as to allow air to pass through into the interior of the furnace; and when the slide is closed its plane blank, or solid parts, come opposite to, and thereby shut, the

It are opposite to, and coincident with, the slots in the furnace-door, so as to allow air to pass through into the interior of the furnace; and when the slide is closed its plane blank, or solid parts, come opposite to, and thereby shut, the slots, or openings, in the door. The fire-bars are hollow; they may be divided internally by partitions and orlices at the top and bottom, and sides are contrived so as to allow circulation of air in the bar. Sometimes the bars are made with openings, with inclined sides. An improved fan for blowing air into the furnace is described. The fan is divided by a disc or division-plate, which separates the currents of air, to prevent them from impinging against each other. A project is at present before Parliament relative to the propriety of abolishing the office of Vice-President of the Board of Trade, and substituting two sccretaryships. This proposal seems to afford an opportunity for reconsidering administrative arrangements generally, in so far as they affect the industrial action of the country. Rather a singular instance of administrative anomaly is involved in the circumstance that, while the inspection of railways is a department within the Board of Trade, the inspection of miss, a very similar ministerial duty, is a matter under the jurisdiction of the Home Office. Till lately, industrial educational departments were under the cognizance of the Board of Trade. The altered circumstances of industrial progress may sooner or later necessitate modifications in these arrangements.

The recent applications for patents include the following:—

later necessitate modifications in these arrangements.

The recent applications for patents include the following:—
FLETCHER, Whitehaven, boring and planing metals.—JONES, Wolverhampton, shaping or forging.—STEVENS, Pentonville-road, securing coal-plates, trapdoors, &c.—HODSON, West Ham, punching iron and other metals.—MANICO, Strand, raising sand covered by the tide to the level of high water, and therewith forming embankments for the construction of sea works.—SIMPSON, Strathavon, utilising oils for heat, &c.—WESTWOOD, Bow, iron safes, and for doors for the same and other purposes.—WESTWOOD, Bow, iron piles and columns.—CLARK (communication from Lochhaed and Mathleu, San Francisco), steambellers and recent for the same and others.—Thoumpson Archivich tetition and the patents of the same contract.—Thoumpson Archiveler tetition and the same contract.—Thoumpson Archiveler tetition.

oppositions intended to the following notices to proceed must be

entered on or before March 12:—No. 2607, OUTRAM, Grutland, cast-iron.—No. 2683. HAMILTON, Glasgow, fuel.—No. 2745.—PLIMSOLL, et al Middlesex, extracting metals from titaniferous ironsand or minerals containing metals.—No. 3072. BROOMAN (communication from Dassumpcao, Lisbon), irons for ironing.—No. 3410. WARKINS, Birmingham, cutting, punching, and shaping metals for screw nuts and like articles.—No. 3412. WARKINS, Birmingham, shaping and forging metals into rivets, &c.—No. 128. LiETAR, Brussels, a composition for welding iron upon iron, iron upon steel, and steel upon steel.—No. 205. CARRY, Bermondsey, iron channels, &c.

THE PARIS UNIVERSAL EXHIBITION.

THE PARIS UNIVERSAL EXHIBITION.

The Imperial Commission of the Paris Exhibition of 1867 has conceded several spaces in the Palace and in the Champ de Mars for useful buildings, motive-power, &c., and the contractors for these buildings, with all advantages, such as competing for the premiums, &c. The steam-engines and accessories for furnishing the motive-power for the machines in motion will be furnished by Messrs. Boyer, of Lille, department of the North; the Baron de Bussieres and Messmer, of Graffenstaden, Haut-Rhin, who will employ a boiler on the system of MM. Charles Teubrink, of the Rue Moncey, and Felix Bonnet, of the Rue de Serres, both in Paris; Chevalier and Duvergier, of Lyons, department of the Rhoue; co-operators—M. Vassiviere, contractor, constructor of the chimney, from Lyons; and the widow, Madame de Coster, of the Rue Stanislas, at Paris; Demeuse et Houget, of Verviers, Belgium, and of Aix-la-Chapelle, Prusia; Farcot and Sons, engineering works, at Saint Duen, near Paris; Flaud, Avenue de Suffren; Le Garvian and Sons, at Moulins-Lille, Nord; co-operators—Mounier and Co, boiler makers, route de Roubiax, Saint Maurice, Lille, Nord; Leconteux, Rue Oberkampf, Paris; co-operators—Laurens and Thomas, constructors of the boiler, Rue de Rivoli; and M. Cordier, constructor of the chimney, Rue due Chemin Vert, Paris; Quillacq, at Anzin, Nord; Thomas and T. Powell, at Rouen, Seine-Inferieur; co-operator—M. Fleury, architect, constructor of the chimney and the building of the generator. The smoke-consuming apparatus of A. Thierry, Sons, and Co., of 146, Faubourg St. Denis, Paris, are to be applied to the boilers and furnaces creeted by Messrs, Chevalier and Duvergier, of Lyons, above mentioned (120 effective horse power), and also to those of Thierry, Sons, and Co., themselves mounted (25-horse power) in their pavilion, at the left of the grand entrance, in front of the lake. The consumption of the grand entrance, in front of the lake. The consumption of the grand entrance, in front of the lake. The con

CLEVELAND SPECIMENS FOR THE PARIS EXHIBITION.—An elegant ase, containing specimens of ironatone and other minerals, with pig and finished from from the Cleveland district, will be exhibited by Messrs. Stevenson, Jacques, and Co., Ackiam Ironworks, at the forthcoming Paris Exhibition. The specimens consist of limestone, coke, slag, pig-iron, and a quantity of the dust left by the gas in its passage from the furnace. The castings in wrought-iron, re-resenting the various purposes to which the Cleveland iron is applied, consist fa fish-bar; a iton, made by Messrs. Smith and Thompson, Stockton, from Ackam No. 4, "the surface being as smooth as a bronze medal; a permanent-way hair, made by Messrs. Head, Wrightson, and Co., Stockton; in malleable iron, nilets, and puddied iron bars, made by Messrs. John Holdsworth and Co., Stockton; armour-plate, from the Stockton Malleable Iron Company; boiler plates, nanufactured by Messrs. Fox, Head, and Co., Middlesbrough; and finished iron, from the extensive rolling-mills of Messrs. Hopkins, Gilkes, and Co., Middlesbrough, and Ackiam Ironworks, and the specimens, from the extensive rolling-mills of messrs. Hopkins, Gilkes, and Co., Middlesbrough, and Ackiam Ironworks, and the specimens, from the entire, Middlesbrough, and Ackiam Ironworks, and the specimens, from the on Mrs. Stevenson. The paper will be printed in different languages, so that Il may be made to understand the rise, progress, and position of the Cleveland on trade.—South Durham and Cleveland Mercury.

Dynamic Force.—A remarkable discovery has been made by Mr.

DYNAMIC FOREE.—A remarkable discovery has been made by Mr., Siemens, which demonstrates in a striking manner the convertability of dynamic into electrical force. A bar of soft fron enveloped with copper wire, not armsersely, but in the direction of its length, if inoculated in the slightest egree with magnestism, and then made to rotate rapidly, generates electricity such a degree that wire is melted by the current, and effects are produced high have hither or equired the aid of an electro-magnet. The subject is to be rought before the Royal Society; and we hear that a similar discovery by Prof. (heatsone will be noticed at the same time.—Athenœum.

Wheatstone will be noticed at the same time.—Athenœum.

DISCOVERY OF ORE AT TREVOR.—Messrs. Roberts, the proprietors of the Trevor Quarries, were driving a level from the bottom of a shaft for the purpose of draining their quarry. In doing so, and after passing through a bed at shale, they crossed a metallic vein full of the indications of lead and other res. This vein is found below the millstone grit, and makes its way through beds of shale and through a beatard flint, and is about 15 in. thick. The mineral and geological features of a district so full of rich deposits is a subject fraught with interest to the practical miner, the capitalist, and the scientific geologist.—Wreckam Advertiser.

LONDON GENERAL OMNIBUS COMPANY.—The traffic receipts for

PLACK CRAIG CONSOLIDATED MINING COMPANY (LIMITED).

Incorporated under the Companies Act, 1862, limiting the liability of share-holders to the amount of their shares.

Capital £20,360, in 3072 shares of £5 each, marked A, fully paid up, and 1000 shares, marked B, of £5 each.

It to be paid on application, £1 on allotment, £1 in four months, £1 in eight months, and £1 in twelve months after allotment, leaving shareholders without further liability. The holders of B shares to be paid 10 per cent, out of profits before the holders of A shares are to receive any dividend; the holders of B shares may be paid off by the holders of A shares at the rate of £10 for such £5 share, by giving the holders of B shares stx months notice of their intention to do so.

DIRECTORS:

ich £3 share, by giving the holders of B shares six months notice of their miles to do so.

DIRECTORS.

R. R. MICHELL, Esq., Marazion, Cornwall.

JAMES WESTON, Esq., Crown-chambers, Threadneedle-street.

TWO other directors to be appointed at the first meeting of shareholders.

BANKERS-London and County Bank, Lombard-street.

SECRETARY—T. P. Scrivener, Esq., 40, Norfolk-street, Strand,

AUDITOR—Daniel Bette, Esq., Cook's-court, Lincoln's Inn.

CONSULTING AGENT—Capt. Arthur Waters.

AGEST A THE MYNE—Capt. John Smitham.

AGENT AT THE MINE-Capt. John Smitham. OFFICES,-40, NORFOLK STREET, STRAND, LONDON, W.C.

OFFICES,—40, NORFOLK STREET, STRAND, LONDON, W.C.

PROSPECTUS.

This company has been formed for the purpose of extending the workings unta course of ore discovered in the 43 fm. level, and for developing the West lek Craig Mine, by the issue of 1000 B shares, and it is believed that the whole the £5000 additional capital will not be required to be expended, before the ne will be making considerable profits. The sett is very extensive, and is traced by several lodes, three of which only have been worked on, and have educed enormous quantities of lead, copper, and blende ores. The mines are cated within a mile of the port and railway station of Palnure, from whence piles of coals and materials are obtained, and the ores forwarded to the slting-works. From the size, nature, and character of the lodes, and their at productiveness at such a shallow depth, and the cere forwarded to be alting-works. From the size, nature, and character of the lodes, and their at productiveness at such a shallow depth, and the economy with which they be worked (coals, for instance, being 8s, 6d, per ton delivered), it may fairly said to offer advantages for the outlay of so comparatively small a capital tare seldom met with. The report of Captain Arthur Waters, Captain John itham, the late Capt. Stephen Eddy, Mr. George Henwood, and other pracal mining agents, fully justify the belief that large quantities of ore will be dinced by sinking deeper. mining agents, fully justify the belief that large united by sinking deeper. rospectuses, plans of the mines, and forms of application for shares, may be at the offices of the company.

ton, rap-ico, ere-ath-pors

CONTRACT DEPARTMENT, ADMIRALTY, SOMERSET HOUSE.

THE COMMISSIONERS for Executing the Office of Lord High Admiral of the United Kingtom of Great Britain and Ireland, do hereby give nother with the White High Admiral of the United Kingtom of Great Britain and Ireland, do hereby give nother with the White High Admiral of the United Kingtom of TREAT with such persons as may be willing to CONTRACT for SUPPLYING and DELIVERING, at Chatham Dockyard Extension Works, ONE THOUSAND FIVE HUNDRED TONS of COALS.

A form of the tender and conditions of the contract may be seen in the lobby of the Storekeeper-General's Department, Admiralty, Somerset House. No tender will be received after Two o'clock on the day of treaty, nor will any be noticed unless the party attends, or an agent for him duly authorised in writing. Every tender must be addressed to the secretary of the Admiralty, and bear in the left-hand corner the words "Tender for Coals," and must also be delivered at the Department of the Storekeeper-General, Admiralty, Somerset House, accompanied by a letter signed by two responsible persons engaging to become bound with the person tendering in the sum of £20 per 100 tons for the due performance of the contract.

By order, ANTONIO BRADY.

ormance of the contract.

By order, ANTONIO BRADY,
Registrar of Contracts and Public Securities.

Contract Department, Admiralty, Somerset House, Feb. 4, 1867.

Contract for Coals and Coke.

CONTRACT DEPARTMENT, ADMIRALTY, SOMERSET HOUSE.

THE COMMISSIONERS for Executing the Office of Lord High Admirat of the United Kingdom of Great Britain and Iroland, do hereby give no o'clock, they will be READY to 'TREAT with such persons as may be willing to CONTRACT for SUPPLYING and DELIVERING, at Chatham Deckyard Extension Works, SIX THOUSAND FOUR HUNDRED TONS of COALS and SEVEN HUNDRED AND FIFTY TONS of COKE, for brickmaking.

A form of the tender and conditions of contract may be seen in the lobby of the Storekeeper-General's Department, Admiralty, Somerset House. No tender will be received after Two o'clock on the day of treaty, nor will any be noticed unless the party attends, or an agent for him duly authorised in writing. Every tender must be addressed to the secretary of the Admiralty, and bear in the left-hand corner the words "Tender for Coals and Coke," and must also be delivered at the Department of the Storekeeper-General, Admiralty, Somerset House, accompanied by a letter signed by two responsible persons, engaging to become bound with the person tendering in the sum of 220 per 100 tons for the due performance of the contract.

By order, ANTONIO BRADY, Registrar of Contracts and Public Secupitor.

India Office.—Contract for Pictyron.

India Office-Contract for Pig-iron.

BY ORDER OF THE SECRETARY OF STATE FOR INDIA IN COUNCIL

NOTICE IS HEREBY GIVEN that the DIRECTOR-GENERAL OF STORES FOR INDIA will be READY, on or before Monday, the 25th instant, to RECEIVE PROPOSALS, in writing, sealed up, from such persons as may be willing to SUPPLY—

And that the conditions of the said contract may be had on application at the India Store Office, Canon-row, Westminster, where the proposals are to be left any time before Two o'clock p.M., of the said 25th day of February, 1867, after which hour no tender will be received.

GERALD C. TALBOT, Director-General.

India Office, February 14, 1867.

NICHOLLS, MATHEWS, AND CO., ENGINEERS,
BEDFORD IRONWORKS, TAVISTOCK.
MANUFACTURERS of STEAM ENGINES OF EVERY DESCRIPTION, made
on the BEST and NEWEST PRINCIPLES. We beg more especially to call the
attention of the public to the MANUFACTURE of our BOILERS, which have
been tested by most of our leading engineers. PUMP WORK CASTINGS OF
EVERY DESCRIPTION, both of brass and iron. HAMMERED IRON and
HEAVY SHAFTS of ANY SIZE. CHAINS made of the best iron, and warranted. MINERS' TOOLS and RAILWAY WORK OF EVERY DESCRIPTION.
ALL ORDERS FOR ABROAD RECEIVE their BEST ATTENTION.
NICHOLLS, MATHEWS, and CO. have had 20 years' experience in supplying machinery to foreign mines, and selecting experienced workmen to erect the same,
where required.

Messrs. NICHOLLS, MATHEWS, and Co. have always a LARGE STOCK OF SECOND-HAND MINE MATERIALS in stock, and at moderate prices.

S A N D Y S, VI VI A N, A N D C O., COPPER HOUSE FOUNDRY, HAYLE, CORNWALL, ENGINEERS, IRON AND BRASS FOUNDERS, MINING MANUFACTURERS of PUMPING ENGINES for WATER-WORKS, MINING MACHINERY, MATERIALS, and TOOLS of every description. Foreign mines supplied on the best terms, and at the shortest notice, Second-hand Mining Machinery and Pitwork in Stock; also a new 4 and a 2-hopse power high-pressure vertical engines, with boilers, and a second-hand 19-19ch whim engine, condensing.

WILLIAMS'S PERRAN FOUNDRY COMPANY,
PERRANARWORTHAL, CORNWALL.
MANUFACTURERS of STEAM PUMPING and EVERY OTHER KIND of
ENGINES, together with BOILERS, PUMP CASTINGS, and MINING TOOLS
of every description, of the very best quality. Estimates given for the supply of
any amount of machinery.
London Agent.—Mr. EDWARD COOKE, 76, Old Broad-street, London

RAILWAY CARRIAGE COMPANY (LIMITED)

ESTABLISHED 1847.

OLDBURY WORKS, NEAR BIRMINGHAM.

MANUFACTURERS of RAILWAY CARRIAGES and WAGONS, and EVERY
DESCRIPTION of IRONWORK.

Passenger carriages and wagons built, either for cash or for payment
over a period of years.

CHIEF OFFICES,—OLDBURY WORKS, NEAR BIRMINGHAM.
LONDON OFFICES,—6, STOREY'S GATE, GREAT GEORGE STREET,
WESTMINSTER.

WESTMINSTER.

THE BEVERLEY IRON AND WAGON COMPANY (LIMITED).

MANUFACTURERS of RAILWAY CARRIAGES and WAGONS, WROUGHT and CAST IRON CARRIAGE and WAGON WHEELS, AXLES, HAMMERED USES, and HEAVY SMITHS' WORK for ENGINEERS, &c. BRASS and IRON FOUNDERS. MAKERS of PORTABLE FARM RAILWAYS, TURNTABLES, CROSSINGS, SWITCHES, &c. AGRICULTURAL MACHINISTS. MANUFACTURERS of FIELD, ROAD, and BARN IMPLEMENTS, PATENT LORRY, CART, and CARRIAGE WHEELS, with WOOD OF IRON NAVES. REAPING MACHINES, CLOD CRUSHERS, CORN MILLS, &c. SAW MILL PROPRIETORS. GENERAL TIMBER CONVERTERS for home and foreign RAILWAYS, STATIONS, BARRACKS, EXHIBITIONS, &c. IRONWORKS BEVERLEY, YORKSHIRE.

JAMES DEWHIRST, EC.

THE BIRMINGHAM WAGON COMPANY (LIMITED)
MANUFACTURE RAILWAY WAGONS of EVERY DESCRIPTION, for
HIRE and SALE, by immediate or deferred payments. They have also wagons
for hire capable of carrying 6, 8, and 10 tons, part of which are constructed specially for shipping purposes. Wagons in working order maintained by contract.

WAGON WORKS,—SMETHWICK, BIRMINGHAM.

** Loans received on Debenture: particulars on application.
London Agent—Mr. E. B. SAVILE, 67, Victoria-street, Westminster, S.V.

STAFFORDSHIRE WHEEL AND AXLE COMPANY
(LIMITED),
MANUFACTURERS OF RAILWAY CARRIAGE, WAGON, and CONTRACTORS' WHEELS and AXLES, and other IRONWORK, used in the CONSTRUCTION OF RAILWAY ROLLING STOCK.
CHIEF OFFICES,
3 and 4, EXCHANGE BUILDINGS, BIRMINGHAM.

IMPROVED APPLICATION OF WATER POWER. THE TURBINE.

MACADAM BROTHERS AND CO., ENGINEERS, SOHO FOUNDRY, BELFAST, have been engaged for fifteen years, with complete success, in MANUFACTURING their IMPROVED TURBINES, and can This machine is applicable to all practicable heights of fall and quantities of water, giving a much higher percentage of power than any other description of water, whosh

water-wheels.

On low falls it has the additional advantage of not being affected by floods or low falls it has the additional advantage of not being affected by floods or low falls where the quantity ackwater, and it is particularly well adapted for any falls where the quantity of water is variable.

Further particulars on application, also references to turbines now of work on a great variety of falls.

NOTICE.—CAPT. S. M. RIDGE, of LLANIDLOES, MONTGOMERYSHIRE (late manager of the Brynpastig and Cwm Fron Mines, and others, in Shropshire and Wales). Is NOW OPEN to INSPECT and faithfully REPORT UPON ANY LEAD MINES in either of these localities that may be confided to his care, having had better than 30 years' experience in lead mining, as miner and agent.—Address, Capt. S. M. RIDGE, Lianidloes, Kapt. gomeryshire.

CAPT. S. MICHELL, of NEW TRELEIGH MINE, REDRUTH has PROCURED SEVERAL MINING SETTS. TWO of which are situated in the neighbourhood of the CHIVERTON MINES, and are traversed by several large SILVER-LEAD LODDES peculiar to that district; and one in ILLO-GAN, containing five lodes, all of which are productive in COPPER, BLENDE, MUNDIC, and LEAD. Also, a MUNDIC SETT, that he can safely recommend. Capt. S. MICHELL will not object to negociate with any respectable party with a view to DISPOSING OF or WORKING these VALUABLE PROPERTIES.

REAT MONA MINING COMPANY (LIMITED).—

SECOND ISSUE OF SHARES.

This company was formed, with a capital of £25,000, in 5000 shares of £5 each, first issue 2500 shares (which were all taken up a little more than twelve months ago, for the purpose of developing a very valuable mining set, in close proximity to the Great Laxey Mines.

The setts held by the company, under lease from the Crown, are very extensive, comprising nearly 2000 acres, on which, it is stated by practical mining engineers, there will ultimately be three excellent mines. The company has proved the sett in two parts by adit levels, both of which have produced good lead and copper ore. One feature of advantage is that the mine can be drained to a great depth by adit levels, without the ald of machinery; and, judging from what has already been produced, the directors believe that it will become a very profitable investment to the shareholders. Both Captain John Trewin, the resident agent, and Capt. John Kitto (who is a large shareholder), confidently assert that it will soon become a lasting dividend-paying mine; in fact, Capt. Kitto (under whose joint management the Great Laxey was brought to the proud position it has occupied amongst the best dividend-paying mines in the kingdom for some time past, having yielded to the original shareholders about 500 per cent. per annum in dividends alone, besides increasing the value of the shares about 500 per cent. In eighteen months) expresses his surprise at both the quality and quantity of ore obtained in this mine at so shallow a depth, and his confidence in its ultimate success. He also states that both quality and quantity are equal to the Great Laxey, at a much greater depth.

The chief operations have been on the Ballagiass part of the sett, where there is an engine-shaft sunk about 22 fathoms. At 10 fathoms a level has been driven north and south, and in this level there is a body of blende, from 18 in, to 21 wide, which it is stated will pay for stoping. All the efforts have of late been concentrat

SOUTH FOWEY CONSOLS COPPER MINE,
Situate in the parish of TYWARDREATH, CORNWALL.
In 6000 shares.
On the Cost-Book System, which possesses all the advantages of the Limited
Liability, without its fines, penalties, and winding-up cumbrous
processes, as any shareholder can, at any time, terminate
his liability by a written notice to the purser.

processes, as any shareholder can, at any time, terminate his liability by a written notice to the purser.

Deposit on application, 5s. per share; payment on allotment, 5s. per share; all to go towards the general expenditure of the mine.

Future calls to be made as required.

DIRECTORS.

The Rev. Dr. TREFFRY, Place, Fowey, Cornwall.

ROBERT THOMAS HEAD, Esq., the Briars, Exeter.

EDWARD LAMBERT, Esq., 2s, York-terrace, Regent's-park, London.

E. W. BRYDGES WILLYAMS, Esq., Nanskeval, St. Columb, Cornwall.

WILLIAM WEST, Esq., Tredenham House, St. Blazey, Cornwall.

W. S. SUTTON, Esq., Brighton.

(With power to add to their number).

BANKERS.

Messrs, Robarts, Lubbock, and Co., Lombard-street, London.

Messrs, Willyams, Treffry, West, and Co., South Cornwall Bank, St. Austell.

SOLICITORS.

R. W. Head, Esq., Exeter; and

Messrs, Hampton and Burgin, 8, John-street, Bedford-row, London.

PURSER—Mr. William Polkinghorne, Woodlands, Par Station, Cornwall.

Manager—Capt. Francis Puckey, St. Blazey, Cornwall.

London Agent—Jehu Hitchins, Esq., Sc. Michael's House, Cornhill, London.

PROSPECTUS.

PROSPECTUS.

This sett extends nearly a mile in leugth from east to west, and half-a-mile in width from north to south, having on the south-west Par Consols, and on the north-east Fowey Consols, which mines have been two of the most productive in Cornwail, having yielded upwards of three million sterling in copper and tin ores, giving profits to the shareholders of more than four hundred thousand pounds. A shaft already sunk in the western part of the sett could be immediately made available, and when the water is drawn therefrom copper ores could be at once raised.

giving profits to the shareholders of more than four hundred thousand pounds.

A shaft already sunk in the western part of the sett could be immediately made available, and when the water is drawn therefrom copper ores could be at once raised.

Twelve highly promising copper lodes have been discovered within the sett, from two of which, some years since, a quantity of copper ore of good quality was raised and sold; but from want of sufficient capital, these and the other lodes were not explored.

It was always the intention of the late enterprising and successful miner, Joseph Thomas Treffry, Esq., to have properly developed this mining property. The Cornwall Railway passes through the property, Par Station adjoins it, and Par Shipping Harbour is about a mile distant; hence the produce of the mines and all necessary stores can be conveyed at comparatively very little expense, which are advantages of great importance.

Several working miners, who have been employed in the adjoining mines for many years, think so highly of the sett that they have subscribed for shares, and paid the deposit thereon; moreover, a large amount is promised to be subscribed for by inhabitants of the neighbourhood; this is a proof of the high opinion held by those who best know the ground.

Leases for 21 years have been secured within the last year on advantageous ierms, the dues ranging from 1-18th to 1-16th.

It is intended by mutual arrangement with the Fowey Consols Mine adventurers to unite with their setts, with a view of further developing several very promising iddes, which are known to exist in maiden ground, in the Fowey Consols shallow levels. By this arrangement the shareholders of Fowey Consols agree to suspend the old and deep workings of their mine, and to make over their right and interest in the present setts and machinery to the new company, of which they will form a part to the extent of £6000 (he value of the said settia and machinery), to be apportioned to them respectively in shares in the new concern, according to

-Full reports appeared in the MINING JOURNAL of January 19 and 26, may be had.

Copies may be had.

PETER CLYMO, Esq. (South Caradon Mine).—"I know the whole sett well; there are several very promising lodes contained in it that are well deserving of vigorous development, and if that is done my firm belief is the parties will be well remunerated for their outlay."

JOHN PETHERICK, Esq. (Surbiton, Kingston-on-Thames).—"From my personal knowledge of the ground in question, * * * I consider it to be an excellent speculation for the investment of capital."

Capt. Francis Pucker (St. Piazey).—"I do not know a better speculation in /

Capt. CHARLES THOMAS and Son (Dolcoath Mine).—" Looking at the position of the mine, and at all the circumstances in connection therewith, we consider it to be a speculation of no ordinary promise."

A NALYSES OF CCAL, CANNEL, MINERAL OILS, and all OIL PRODUCING MINERALS are UNDERTAKEN by A. NORMAN TATE, F.A.S.L., &c., ANALYTICAL and CONSULTING CHEMIST, and CHEMICAL ENGINEER (Author of "Petroleum and Its Products," &c.),

MOLD, NORTH WALES.
Plans and estimates for oil and chemical works prepared, and their erection superintended.

Assays of metals and their ores carefully conducted.

CAPT. RICH, BODMIN, CORNWALL, being in the centre of the mining districts of Devon and Cornwall, and having had 25 years' experience in the management and inspection of mines, OFFERS HIS SERVICES to INSPECT and REPORT on MINES in either of the above counties. Orders

NOTICE TO QUARRY INVESTORS.—MR. JOSEPH KELLOW, SLATE QUARRY INSPECTOR and PRACTICAL ENGINEER (twenty-five years of practical experience), takes this opportunity of informing bis friends and public companies generally, that he has CHANGED bis RESIDENCE from Nantile Vale, Carnarvonshire, North Wales, to TREMADOC, in the same county. All orders will receive prompt attention. Private sharcholders advised. Terms reasonable.

On Saturday, March 2.

THE SCIENTIFIC ENGLISHMAN:
An Illustrated Newspaper of SCIENCE, ART, and INDUSTRY.
Price, 1½d.; post free, 2d.
London: Henry Vickers, Strand. Birmingham: W. Willey and J. Guest.
Subscribers, Post-office orders, 10s. yearly; 5s. half-yearly; 2s. 6d. quarterly; to be addressed to George RYLAND and Co., Hardware and Metal Brokers, Union-passage, Birmingham.

101

In Chancery

CLEWS V. ALCOCK

MR. JOHN HIGGINGBOTTOM WILL SELL, BY AUCTION, pursuant to an order of the High Court of Chancery, made in the above cause, with the approbation of the Judge to whose Court the said cause is at tached at the Railway Hotel. Stoke upon Trent, in the county of Stafford, on Thursday, the 21.h day of February, 1867, at Four o'clock in the afternoon, in Sine Lo's an individed FOURTH PART of and in certain

FR EHOLD AND IMPORTANT MINERAL PROPERTY, mate at Eucknall, in the parish of Stoke-upon-Trent, in the county of Staf-rd, comprising TWO FARM HOUSES, and ARABLE, MEADOW, and ASTURE LAND, and DWELLING HOUSES, and of and in HEREDITA-ENTS in Hanley, Staffordshire, and the ENTIRETY of HEREDITAMENTS

PARTICULARS.

PARTICULARS.

LOT 1. -An undivided FOURTH PART of and in a FARM HOUSE and OUTBUILDINGS, at Bucknall, in the parish of Stoke-upon-Trent, in the county of
Staford, with all those several closes of ARABLE. MEADOW, and PASTURE
LAND tacrenato belonging, as bereinafter described, and in the occupation of
William Slater, as tenant from year to year, at an annual rent of £174:—
Ounnities.

No. on plan.	Description.		Quan		cs.	
			. R. P			
	at Bucknall					
	ow		2 11			
3 Cottage me	adow	3	1 0			
4 Near Hot C	roft	2				
	oft		1 4			
	Croft		1 0			
7 - Fell Brook	Meadow	. 4	3 3			
8 - Holehouse	r Olders Meadow	4	1 30			
9 - Part of Rim	hamley and Beamsley	. 8	0.30			
	hamley					
11 Ditte		. 9	2 24			
	ley		1 87			
13.— Ditto			1 15			
14.— Ditto			3 13			
			2 39			
			3 0			
16 Ditto	***************************************	. 0	3 25			
			2 31			- 1
18 Ditto	***************************************		0 14			
	oft		2 34			
	roft and Slang					- 1
21.—Heath		. 8	0 33			
	y		2 9			
	om					
24 Rough Shaw		. 8	2 34=	-87	0	38
	and in a malt-house hereunto held with th					1
	but now untenanted; also, an undivide					- 1
fourth par	t of and in two cottages or dwelling-house					- 1
adjoining	the homestead of the said farm (heretofor	0				- 1
occupied a	s one dwelling-house, and then and nov	V				

occupied as one dwelling-house, and then and now called Bucknail Cottage), with the garden, pleasure-ground, out-buildings, and appurtenances thereto belonging, and therewith held in the occupation of Joseph Twigg and Sarah Heywood, as tenants from year to year, at the annual rental of £18

Iso, an undivided fourth part of and in another farmhouse, out-buildings, garden, and appurtenances, situate at Bucknail aforesaid, called Felibrook, adjoining the first-described farm, together with those several asso of arable, meadow, and pastureland thereto between the above for described as now in the holding 0 2 13= 0 2 13

onging, as hereafter described as now in the holding of John Deaville, as tenant from year to year, at the annual rent of £28. 26.—Homestead at Felibrook 27.—Meadow 28.—Part of Birchandey 29.—Ditto 30.—Birchandey 21.—Ditto Also, an undivided fourth part of and in several closes of meadow and pasture land, situate near to the village of Bucknall aforesaid, called the Colley Hills, as hereafter described, in the holding of John Docksey, as tenant from year to year, at the yearly rent of £45,	0	2032	35 32 37 4 29 28=11	1	. 5	
which includes the rent of the two cottages, compris- ing Lot 3, the same being let together. 32.—Big Colley Hill and lane		1 3	5 23			

32.—Big Colley Hill and lane.

33.—Near ditto

34.—Far ditto

35.—Sandy Finney

36.—Sandy Finney

36.—Sandy Finney

37.—Sandy Finney

38.—Sandy Finney

38.—Sandy Finney

38.—Sandy Finney

38.—Sandy Finney

39.—Sandy Finney

39.—Sandy Finney

39.—Sandy Finney

30.—Sandy Finney

30.—

Total

The mines of coal in this estate are very extensive and valuable, and comprise three distinct series—"The Upper," which is known by the names of the Mossfield coal, Yard coal, Ragman coal, and Birches coal, and it is estimated of these coals there are about 16 acres of each seam under the estate.

"The Middle" contains the 10-feet coal, Bowling-alley coal, Holly-lane coal, and the Sparrow Butts or Hard Mine coal, which are proved in the Immediate district to be of good quality for house firing and manufacturing purposes; of this series of coal it is estimated there are about 70 acres of each seam under the estate.

"The Lower" contains the Peacher coal in the contains the Peacher coal in the series of coal it is estimated there are about 70 acres of each seam under the estate.

ate. e Lower'' contains the Banbury coal, Cockshed coal, Bullhurst coal, and the estate.

"The Lower" contains the Banbury coal, Cockshed coal, Bullhurst coal, and the Winpenny coal. The first three seams are of good quality for household and manufacturing purpose. Of this lower seriest its estimated there are about 110 acres of each of these seams under the estate. In addition to the above, there is a detached portion of about 11 acres, containing the Bullhurst coal and the Winpenny coal, with two pits sunk upon it, and an engine-house erected.

The estate being within easy distance of the towns of Hanley and Stoke-upon-trent, and being intersected by the Biddulph Branch of the North Staffordshire Railway, possesses extraordinary facilities of disposing of the coals when got.

Lor 2.—An undivided FOURTH PART of and in all that MESSUAGE or DWELLING HOUSE, situate at Bucknall aforesaid, with the out-buildings, yard, garden, stable, and appurtenances thereto belonging; and also of and is all that close of meadow or pasture land, situate at the rear of such dwelling-house, known as the Big Paddock, as hereinafter described as now in the holding of Jeremiah Beardmore, as tenant from year to year, at the annual rate of 225.

6.—House, yard, garden, and offices.

1 24

Big paddock

1 24

Big paddock

1 21

This villa residence, from its desirable situation, being within easy distance of the Staffordshire Potteries, and possessing every requisite convenience, render it a desirable residence for a gentleman engaged in commercial pursuits.

Lot 3.—An undivided FOURTH PART of and in those TWO COTTAGE

and contains about now yards.

LOT 6.-An undivided FOURTH PART of and in all those TWO COTTAGES or DWELLING HOUSES and PREMISES situate in Queen-street, adjoining Broad-street, in the borough of Hanley aforesaid, in the holding of Elizabeth Tew and John Pritchard, as weekly tenants, at the weekly rents of 2s. 8d. each.

Tew and John Pritchard, as weekly tenants, at the weekly rents of 2s. 8d. each.

Lot 7.—An undivided FOUETH PART of and in all that COTTAGE or

DWELLING HOUSE and PREMISES, situate in Union-street, within the
borough of Hanley aforesaid, as now in the holding of James Stevenson, as
weekly tenant, at the weekly rent of 2s. 3d.

Lots 5, 6, and 7 are copyhold of the manor of Newcastle-under-Lyme.

N.B.—An annuity of £20, payable during the life of a gentleman, aged 37
years or thereabouts, is charged on the entirety of the foregoing lots. Onefourth of the amount, or £5 per anum, will be made payable out of Lot 1.

fourth of the amount, or £5 per anuum, will be made payable out of Lot 1.

LOT 8.—The ENTIRETY of TWO FREEHOLD DWELLING-HOUSES, numbered 12 and 14. Liverpool-road, Burslem, No. 12 being in the occupation of Thomas Robinson, as tenant from year to year, at the annual rent of £25; and No. 14, with cooper's shop in front, in the occupation of Andrew Cliff, as tenant from year to year, at the annual rent of £15. This lot has a commanding frontage to Liverpool-road, and the site contains 614 yards.

LOT 9.—The ENTIRETY of a DWELLING HOUSE, No. 2, High-street, Burslem aforesaid, in the occupation of Thomas Pass, as tenant from year to year, at the annual rate of £12 10s.

Littographed plans and printed payticulars and condition of the condition of th

at the annual rate of £12 10s.

Lithographed plans and printed particulars and condition of sale may be had, gratis, of Messrs, ASHURET, MORRIS, and Co., of 6, Old Jewry. In the City of London, solicitors; of Mr. ALCOCK, solicitors Burslew, Staffordshire; John Higgispottom, of Fenton, Staffordshire; Mr. C. J. H. HOMER, mineral surveyor, Chatterley, near Tunstall, Staffordshire; Mr. Raber Hales, surveyor, Cobridge, Staffordshire; and of Mr. W. E. Twigg, solicitor, Burslem.

LEAD MINE.—FOR SALE, BY PRIVATE CONTRACT, the ALSTON. CUMBERLAND. The sett is very extensive, and is traversed by several powerful veins; from one of them 1000 tons of lead ore has been raised from a shaft 20 fathoms deep, and on a length of ground about 50 fathoms in extent, at 1-7th dues. The dues are now 1-20th. Lodgings of miners, work, abone, stabiling, &c., are all in order for immediate operations:

The agent on the mine will show the property, and for other particulars apply to Mr. J. H. Robinson. 21. Cumberland-row, Newcastle-on-Tyne; to Messrs. HOYLE, SHIPLEY, and HOYLE, Solicitors, Newcastle-on-Tyne; or Messrs. HILL and HOYLE, Solicitors, 123, Cannon-street, London.

In the Court of the Vice-Warden of the Stannaries aries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the WEST ROSEWARNE MINING COMPANY.—Notice is hereby given, that a PETITION for the WINDING-UP of the ABOVE-NAMED COMPANY by the Court was, on the 20th day of February inst. presented to the Vice-Warden of the Stannaries by William Harris and Frederick William Dabb, contributories, and the said William Harris being also a creditor of the said company, and that the said petition is directed to be heard before the Vice-Warden, at the Prince's Hall, Truro, on Saturday, the 2d day of March next, at Eleven o'clock in the forenoon.

Hall, Truro, on Saturary, we saw, and the foremon.

Any contributory or creditor of the company may appear at the hearing and oppose the same, provided he has given at least two clear days' notice to the petitioners, their solicitor, or his agents, of his intention to do so, such notice to be forthwith forwarded to P. P. Smith, Esq., secretary of the Vice-Warden, Truro. Every such contributory or creditor is entitled to a copy of the petition and affidavit verifying the same, from the petitioners, their solicitor, or his agents, within 24 hours after requiring the same, on payment of the regulated charge ner follo.

within 24 hours after requiring the same, on payment of the regulated charge per folio.

Affidavits intended to be used at the hearing, in opposition to the petition, must be filed at the Registrar's Office, Truro, on or before the 27th day of February instant, and notice thereof must at the same time be given to the petitioners, their solicitor, or his agents.

HODGE, HOCKIN, AND MARRACK, Truro, Cornwall (Agents for S. T. G. Downing, Redruth, Solicitor to the Petition (Dated Truro, February 20, 1887.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the GREAT WHEAI. FORTESCUE MINING COMPANY.—Notice is hereby given, that a PETIFION for the WINDING-UP of the ABOVE-NAMED COMPANY by the Court was, on the 19th day of February instant, presented to the Vice-Warden of the Stannaries by Robert Richards, a creditor and also a contributory of the said company, and that the said petition is directed to be heard before the Vice-Warden, at the Prince's Hall, Truro, in the county of Cornwall, on Saturday, the 2d day of March next, at 1) o'clock in the forencon.

Any contributory or creditor of the company may appear at the hearing and oppose the same, provided he has given at least two clear days' notice to the petitioner, his solicitor, or agent, of his intention to do so, such notice to be forthwith forwarded to P. P. Smith, Esq., secretary of the Vice-Warden, Truro.

Every such contributory or creditor is entitled to a copy of the petition and affidavit verifying the same from the petitioner, his solicitor, or agent, within 24 hours after requiring the same, on payment of the regulated charge per folio. Affidavits intended to be used at the bearing, in opposition to the petition, must be filed at the Registrar's Office, Truro, on or before Thursday, the 28th day of February instant, and notice thereof must at the same time be given to the petitioner, his solicitor, or his agent.

(Agent of the Stannaries.

In the Court of the Vice-Warden of the Stannaries.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the WEST CLIFFORD UNITED TIN AND COPPER MINING COMPANY (LIMITED).—TO BE SOLD, BY PUBLIC AUCTION, at and upon the WEST CLIFFORD UNITED TIN AND COPPER MINES, situate in the parish of Gwennap, in the county of Cornwall, under the direction of the Registrar of the said Court, on Tuesday, the 12th day of March next, at Twelve o'clock at noon, subject to such conditions as shall be then and there produced, the several DE-MISES or GRANTS by virtue of which the mining operations of the said company have been carried on, and all the MINING MACHINERY and MATE-RIALS at and upon the said mines, including—ONE 80 in. cylinder PUMPING ENGINE, with THREE BOILERS, about 11 tons each.

1 tons each.
ONE 26 in. cylinder WINDING ENGINE, with BOILER about 10 tons
ONE 26 in. cylinder WINDING ENGINE, with BOILER about 10 tons ONE 26 in. cylinder WINDING ENGINE, with BOILER about 10 tons.
Three balance-bobs, with wrought-iron connection pieces, and also the pitwork, together with the account-house furniture, and a variety of other effects in general use in mines, full particulars of which appear in hand-bills.

JOSEPH ROBERTS, Solicitor, Turby

Dated Registrar's Office, Truro, Feb. 21, 1867.

TO MINE AGENTS, IRONFOUNDERS, RAILWAY CONTRACTORS, BUILDERS, AND OTHERS.

MESSRS, BUCKLAND AND RENDELL WILL SELL, BY

M ESSRS. BUCKLAND AND RENDELL WILL SELL, BY PUBLIC AUCTION, on Monday and Tuesday, 25th and 26th February. 1867, at the WEST BEAM MINE, near ASHBURTON, the VALUABLE MACHINERY and MATERIALS thereon, comprising:—
ONE 56 in. cylinder STEAM PUMPING ENGINE, 9½ ft. stroke, equal beam, and TWO BOILERS 11 tons each, in excellent condition.
ONE 40 in. cylinder STEAM PUMPING ENGINE, 10 ft. stroke, equal beam, and ONE BOILER about 11 tons (nearly new), with a cast-iron balance-bob.
ONE 24 in. cylinder ROTARY STEAM ENGINE, fly-wheel and drawing gear attached, and ONE BOILER about 11 tons, in excellent condition.
ONE WATER-WHEEL, 30 ft. diameter, 3 ft. breast, iron rings, axie, pumping crank, and powerful DRAWING MACHINE attached, nearly new.
ONE WATER-WHEEL, 30 ft. diameter, 4 ft. breast, iron rings, axie, and ratchet wheels.

one water-wheels.
One water-wheel, 24 ft. diameter, 3 ft. breast, cast-iron axie and cog

ONE WATER-WHEEL, 20 ft. diameter, and 3 ft. breast.

ONE WATER-WHEEL, 20 ft. diameter, and 3 ft. breast.

er, and 3 ft. breast.

1 12 in. stuffing box and gland.
1 10 in. stuffing box and gland.
55 fms. wood main rods, 12 and 14 in.
55 fms. ditto main rods, 10 in.
15 fms. ditto main rods, 6 in.
15 fms. ditto main rods, 6 in.
11 fms. ditto main rods, 5 in.
Best red pine and memel. well fitted for building purposes.
Large quantity of bucket rods, 1½ in.
bucket prongs.
Large quantity of best hammered iron strapping plates and side plates.
Rod and flange pins.
Staples and glands.
Shaft rolls.
3 large balance-bobs. ONE WALER-WHERE, 2 and 10 th date.

2 shears, 34 ft. and 60 ft. high.
1 poppet head, 35 ft. high.
2 iron stamps axies for 24 heads
2 ditto ditto for 12 heads
2 ditto ditto for 12 heads
with wood frames and lifters

2 is its purpose. pumps. ditto, kneepieces

in. ditto in. ditto. in. ditto. in. ditto. n. ditto. nings, 21 in., 14 in., 11 in., 10 in.

in. doorpiece.
in. doorpieces
in. windbore
in. windbore windbore windbore

in, windbores. in, working barrel, 13 ft. in, working barrel, 12 ft. in, working barrels, 12 ft.

in. H piece. in. pole. in. poles. in. poles.

90 fms. 1½ in. flat-rous.
Ladders.
Large cistern.
8 tram wagons.
2 horse whims.
5 whim kibbles.
3 new skips.
Pulleys and shieves of different sizes.
Large yokes, 3 pin chains.
1 40 in. smiths' bellows.
1 vice, several new wood sheds, scales,

Shaft rolls.
3 large balance-bobs.
1 large angle bob.
2 travelling bobs.
300 fms, % in. chain.
53 fms, 2½ in. flat-rods.
90 fms, 1½ in. flat-rods.

1 9 In. pole.

1 3 In. pole case.

New iron, steel, 2 grindstones, 1 anvil, 1 vice, several new wood sheds, scales, weights, quantity of timber, dressing-floors, kieves, with a quantity of various materials too numerous to mention.

These materials are well worth attention, as they are nearly new, and were purchased regardless of expense.

The mine is situated about five miles from Newton station, to which there is a good road.

For viewing the same, apply to Capt. Joseph Baken, on the mine.

Catalogues may be had on application to the Auctioneers, Newton Abbott; Mr. Betteley, Ashburton; or Mr. William Mathews, engineer, Tavistock, and from whom any further particulars may be obtained.

Refreshments on the table at Twelve o'clock. Sale to commence pundually at One o'clock.—Dated February 6, 1867.

STAFFORDSHIRE. TIVIDALE COLLIERY, NEAR DUDLEY.

MESSRS. OATES, PERRENS, AND WOOLDRIDGE have received instructions from the mortgagees to OFFER FOR SALE, at the Dudley Arms Hotel, Dudley, on Saturday, the 2d day of March next, at Five o'clock in the afternoon, subject to conditions then to be produced, an UNDIVIDED MOIETY of the above—

VIDED MOIETY of the above—
VIDED MOIETY of the above—
VALUABLE MINING ESTATE,
Consisting of FARM HOUSE, EIGHT COTTAGES, STEAM ENGINES, ERECTIONS, TRAMWAYS, OFFICES, and 69 a. 6 r. 5 r. of SURFACE LAND; together with the VALUABLE MINES of THICK and other MEASURES of COAL, IRONSTONE, FIRE CLAY, &c., now under lease for a term of twenty-eight years, fourteen of which will be unexpired at Lady-day next.

NOTE.—This property is situated at Tividale, midway between Dudley and Oldbury, and close to the Stour Valley Railway and Birmingham Canal.

Further particulars may be obtained, and a copy of the lease seen, on application to Messrs. Partrige and Woodward, solicitors, 51, Ann-street, Birmingham; and to view the property, or any information as to the mines, application to be made to Mr. Thos. MILLERSHIP, mine agent, West Bromwich; or Maters.

OATES, PERRENS, and WOODDRIDGE, auctioneers, Stourbridge.

WHEAL SIDNEY, PLYMPTON ST. MARY, DEVON.
About two miles from Plympton Station, on the South Devon Railway.

MR. JOHN ANDREW WILL SELL, BY AUCTION, without reserve, on Tuesday, 5th March next, at the George Inn, Ridgeway, at Three o'clock in the afternoon, the following MACHINERY, now standing on

a cylinder and 9 ft. in spatt, the good 1 tons.

Lot 2.—A large BOILER, about 11 tons.

Lot 3.—One piece of oak pumping rod, 12 in. square, with caps, plates, &c.,

complete.

LOT 3.—One piece of oak pumping rod, 12 in square, with cage, very complete, and in good condition.

For viewing the above, and further particulars, apply to Capt. EDWARDS, at Ridgeway, or to the Auctioneer.

In Chancery.

IN THE MATTER OF THE COMPANIES ACT, 1862, AND IN THE MATTER
OF THE NANT COAL COMPANY (LIMITED).
TO COLLIERY PROPRIETORS AND OTHERS.—SALE OF THE
NANT CO.LIERY, FLINTSHIRE.

MR. J. PICKERING has received instructions from the Liquidators appointed to wind-up this company, to OFFER FOR SALE, BY AUCTION, on Wednesday, the 13th day of March, 1867, at the Grosvenor Hotel, in the City of Chester (unless disposed of by tender on or before the 1st of March), the whole of the EXTENSIVE and very VALUABLE MINERAL PROPERTY, known by the name of the

"NANT COLLIERY,"

Situated three miles from the town of Mold, nine from Chester, and twenty-six from the shipping port of Birkenhead, together with the LEASES, PLANT, MACHINERY, &c.

MACHINERY, &c.

The area of this property is about 500 acres of the best mineral ground in Flintshire, containing all the celebrated North Wales Steam and House Coal and Cannel. It is held by leases granted by the Lords of the Manor of Mold, and the Trustees of Ruthin Grammar School. These leases are for a term of twenty-one years each, seventeen of which respectively are unexpired. They contain the usual clauses for renewal, if required. The royalties and minimum rents are very moderate.

Of the area above mentioned about 40 acres only have been wrought, leaving the area above mentioned about 40 acres only have been wrought, leaving the armathder intact.

contain the usual clauses for renewal, if required. The royalties and minimum rents are very moderate.

Of the area above mentioned about 40 acres only have been wrought, leaving the remainder intact.

The Mold branch of the London and North Western Railway runs through the centre of the property, and the pits are connected with it by a private locomotive branch nearly a thousand yards long, with all junctions, points, crossings, gates, &c., complete, thus affording convenient access by the narrow-guage system to all parts of the kingdom.

The PLANT on the colliery is very extensive and good. It comprises ONE HORIZONTAL HIGH-PRESSURE PUMPING-ENGINE, with three boilers and fittings, cranks, bobs, rods, and 12-in, pitwork complete; TWO ditto WINDING ENGINES, with three boilers and fittings, cranks, bobs, rods, and 12-in, pitwork complete; the difference of the working of the most modern construction, with self-acting adjustment, and two circular saws of 4 ft. and 3 ft. diameter respectively; a TANK LOCO.

MOTIVE ENGINE, nearly new; a large quantity of iron tubs, water tanks, rails, plates, and crossings; a very good and useful assortment of smiths' and carpenters' tools, various timber, stoves, and loose materials.

This colliery being immediately contiguous to the extensive and well-known Buckley Brick and Tile Works, which consume a very considerable amount of fuel, a constant local demand is afforded for its produce.

The whole will be sold in one or more lots, of which due notice will be given. The Auctioneer has much pleasure in offering this valuable property to capitalists as an investment rarely to be met with.

Tenders may be forwarded to the Liquidators, but they will not be bound to accept the highest or any tender that may be made.

For further particulars, and to view the same, apply to Mr. J. Hollcroft, on the premises; Messrs, McCrestoft and Aleffer Darkshoon, the Liquidators, 48, Paradise-street, Birmingham; or Mr. Robert H. Foster, Solicitor, Birmingham; or Mr. Robert H. Foster, Solicitor, Birmin

In Chancery.

IN THE MATTER OF THE PLYM RIVER SLAB AND SLATE COMPANY (LIMITED).

TO BE SOLD, BY TENDER, with the approbation of the Vice-Chancellor Sir John Stuart, pursuant to an Order of the Court of Chancery made in the said matter, the VALUABLE LEASEHOLD INTEREST in the premises known as the PLYM RIVER SLAB AND SLATE QUARRIES,

PLYM RIVER SIAB AND SLATE QUARRIES,
Together with the PLANT, MACHINERY, and EFFECTS, comprising powerful
STEAM ENGINES, a large WATER-WHEEL, and other appliances to expedite
the raising of slate, now in and upon the above quarries.
All tenders to be forwarded to Thomas Partington Scrivener, Esq., 40,
Norfolk-street, Strand, London, W.C., public accountant, the official liquidator
of the said company, on or before the slist day of March next, of whom orders to
view, and further particulars, may be obtained; and also of Messrs, Pawle,
LOVESY, and FEARON, at whose offices the said lease and underlease respectively may be inspected. The acceptance by the said Thomas Partington
Schiyener of any tender made to him will be conditional on the sanction of the
said Judge, by an order for that purpose being obtained.
PAWLE, LOVESY, AND FEARON, 7, New Inn, Strand, W.C.,
Solictors for the Official Liquidator.

Dated the 4th day of February, 1867.

GLAMORGANSHIRE.
VALUABLE COLLIERY AND BLACKBAND IRONSTONE.

MR. T. E. GEORGE WILL SELL, BY AUCTION, at the Mestgate Hotel, Newport, on Saturday, March 2, 1867, at Three o'clock THE CILVACHVARGOED COLLIERY,

THE CILVACHVARGOED COLLIERY,

In the parish of Gellygaer, with all the PLANT, consisting of trams, tramplates, 20-horse power steam-engine, smiths' tools, inclined plate, and weighing machine, all in good working order.

The COLLIERY comprises the unworked Mynsddislwyn seam of red ash house coal, under a large tract of land, and also the unworked blackband ironstone lying under the same lands.

Also a piece of FREHOLD LAND adjoining the Rumney River, partly occupied by sidings and tips, connecting the colliery with the Brecon and Merthyr Bailway, and affording a desirable site for opening to the lower coal measures. Also the LEASE of SURFACE LANDS of Cilvachvargoed Vach, with dwelling-house and stabling, containing about 24 acres of arable and pasture land. The colliery and blackband openings are all in good working order, and are connected with the New Rhymney and the Brecon and Merthyr Railways, leading to the ports of Newport and Cardiff.

To inspect the colliery apply to Mr. DAVID THOMAS, the manager.

For further particulars, with plans and conditions of sale, apply to Mr. LATCH, Victoria-place; Mr. T. M. LLEWELIN, Solicitor, Dock-street, Newport; or to the Auctioneer. Pentwin, near Newbords, LIOULDATOR.

BY ORDER OF THE OFFICIAL LIQUIDATOR.
THE LEASE OF AN IMPORTANT QUARRY NEAR CARMARTHEN, belonging to the PANT-Y-GLIEN SLATE AND SLAB COMPANY.

MESSRS. DEBENHAM, TEWSON, AND FARMER WILL SELL, at the Mart. near the Bank, on Tuesday, March 12th, at Two o'clock, in one lot, the old-established

o'clock, in one lot, the old-established

PANT-Y-GLIEN QUARRY,

Extending over TWENTY-SEVEN ACRES, at Abergwilli, near Carmarthen,
together with the houses and erections thereon, as held for forty-eight years,
at £200 a year, and a royalty of 1-20th. £4000 was given to the freeholder on
the granting of the lease, besides paid-up shares representing £2000 more, and
au outlay of £3000 has recently been made in improvements. The property has
been inspected by several engineers, who consider it one of the most compact
quarries in South Wales, and capable of yielding a large income.
Particulars of R. CHANDLER, Esq., Solicitor, No. 2, Bucklersbury; and of the
Auctioneers, 80, Cheapside.

BY ORDER OF THE ASSIGNEES OF RICHARD TREDINNICK,

M. R. W. H. MOORE WILL SELL, BY AUCTION, on the
premises, Nos. 2 and 3, South Grove East, Mildmay Park, near the Newington-road Station of the North London Railway, on Thesday and Wednesday,
February 26th and 27th. at Eleven for Twelve o'clock each day, the SUPERIOR
MODERN FURNITURE of the above residences, comprising drawing and
dining room furniture, the appointments of six bed-chambers, and numerous
other effects.

other effects.

On view on the Monday preceding the days of sale, and catalogues had on the premises, of Messrs. HALSE, TRUSTRAM, and BIRT, solicitors to the assignees, 61, Cheapside, E.C.; and at the auctioneer's offices, 6, George-street, Eustonroad, near the Gower-street Station, N.W.

TO BE DISPOSED OF, in the district of North Staffordshire, BY PRIVATE CONTRACT, a FIRST-CLASS COLLIERY, in full operation. The area is considerable, and contains both house fire and manufacturer' coals, and is now paying a good profit, which may be much increased. A railway runs through the estate, and the canal is connected with the works. This property is well adapted for a limited company.—Application by letter, to "X. Y. Z.," Post-office, Newcastle, Staffordshire.

FOR SALE, and may be seen at the Ashburton Mines, ONE 56 in. PUMPING ENGINE, with TWO 11 ton CORNISH made BOILERS. ONE 49 in. PUMPING ENGINE, only made a short time, and as good as new, with an il ton BOILER. A 24 in. WHIM ENGINE, with stamps attached. ONE 11 ton BOILER. Several WATER-WHEELS of various sizes, one with a very excellent drawing machine attached. Pumps and materials of all sorts and sizes.—Application may be made to Mr. W. MATHEWS, engineer, Tavistock, or can be seen on application to people in charge of the mine.

TO BE SOLD, cheap, a PORTABLE ENGINE of 14 horse power, double cylinder, of first-class construction, workmanship, and material. Winding agarto order. SECOND-HAND PORTABLES FOR SALE—Apply to Messrs. Barrows and Carmichael, engineers, Banbury, Oxon.

STEAM-BOILERS made by WILLIAM WILSON, LILYBANK BOILER WORKS, GLASGOW, on the most improved principles, for home and export. All boilers made of the best material and workmanship, proved and warranted tight under a high pressure, and delivered at any railway station or shipping port in the kingdom at moderate rates. Lithograph of boilers forwarded post-free on application.

EDUCATION IN COLLIERY ENGINEERING, MINERAL BURVEYING, &c.—Mr. M. GILDROY STEWART, M.E., SHETLAND HOUSE, WARMLEY, near BRISTOL, has at present VACANCIES for TWO or THREE PUPILS. Terms very moderate.

ON THE MECHANICAL TREATMENT OF METALLIC MINERALS. OBTAINING GOLD, PRECIOUS STONES, &c., FROM ALLUVIAL DEPOSITS. The Pamphile just published on the above subject by Mr. JOHN HUNT (late manager of the Pont Fean Silver-lead and Zine Work, France), with a description of an IMPROVED MACHINE for the SEPARATION of OBES, METALS, &c., can be obtained on application to the printer, Mr. B. CURNACE, Helston, Cornwall, enclosing three postage stamps.

INEXPLOSIVE BLASTING POWDER (Invented by G. A. NEUMEYER)
CANNOT EXPLODE WHEN EXPOSED TO AIR!

ALL INTERESTED IN COLLIERY, MINING, AND ENGINEERING OPERATIONS are invited to TEST this NEW INEX.

PLOSIVE COMPOUND, which meets with great favour upon the Continent, where it has been in use for some time past.

1.—Because it is cheaper in first cost.

1.—Because it is cheaper in itsi cost.

2.—It is lighter than the blasting-powder now in use.

3.—With same bulk (which is less weight) more effect is produced. / 2

EDWIN H. NEWBY is now prepared to register orders for the above. iculars, post free, on application to the offices, No. 39A, KING WILLIAM TREET, CITY, LONDON.

BOWLING IRON COMPANY,
BEST CRUCIBLE CAST-STEEL TYRES, AXLES, CRANK
AXLES, BOILER PLATES,

AXLES, BOILER PLATES,
Also COG WHEELS, and other CASTINGS.
This company is prepared to furnish the above-mentioned articles in CAST
STEEL of a very superior quality, made principally from their own well-known
"BOWLING IRON."
Also BOWLING WROUGHT-IRON SOLID WELDLESS TYRES of any size
and to any section.

THE SEACOMBE FORGE RIVET AND BOLT COMPANY MANUPACTURERS OF
BOLTS, RIVETS, WASHERS, COACH SCREWS, SPIKES, SET PINS,
THE RODS, COTTER PINS, &c.;

ALSO,
NEERS' AND SHIPBUILDERS' FORGINGS, SMITHS' WORK, and
every description of SHIPS' FASTENINGS.

WORKS,-SEACOMBE, NEAR BIRKENHEAD.

A GOOD ROLLING MILL TRAIN ON SALE
SEACOMBE FORGE RIVET AND BOLT WORKS, /3/

PATENT FLEXIBLE TUBING,
AND BRACTICE CLOTH FOR MINES,
MANUFACTURED BY
ELLIS LEVER,

WEST GORTON WORKS, MANCHESTER.

TO COLLIERY PROPRIETORS.

BEST CHARCOAL IRON AND STEEL WIRE ROPES,
Also HEMP ROPES, for MINING PURPOSES.
ELLIS LEVER,
WEST GORTON WORKS, MANCHESTER.

BAGILLT OIL COMPANY (LIMITED),

MANUFACTURERS OF BLACK GREASE

FOR COLLIERY WIRE ROPES, TRAMS, WAGONS, &c., & PER TON,
TORCH AND LAMP OIL, 1s. PER GALLON (Casks free).

LUBRICATING OIL; 1s. PER GALLON (Casks free). STEEL! STEEL!! STEEL!!!

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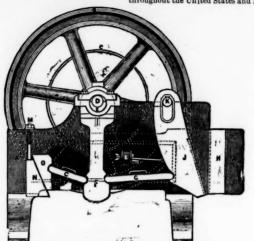
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[SPECIFICATION.]

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Ram. Stroke. Approx. h.p. Approx. gal.

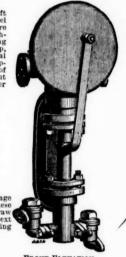
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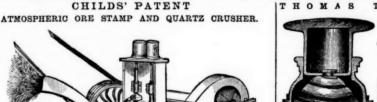
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Shares. Mines.	Paid.	Last Pr. Business	. Total divs. Pers	hare. Lastnaid
1500 Alderley Edge, c, Cheshire*	10 0 0.		8 12 8 0	5 0. Jan. 1867
200 Botallack, t, c, St. Just	91 5 0.		488 15 0 5	0 0 May, 1866
10000 British Slate Company	10 0 0.		9 per cent.	Sept. 1866
4000 Brookwood, l				2 6Sept. 1866
1000 Bronfloyd, I, Cardigan*	12 0 0.			6 0Aug. 1866
6400 Cashwell, I, Cumberland*	2 10 0.			1 6Aug. 1866
916 Cargoll, s-l, Newlyn	15 5 7.			
867 Cwm Erfin, I, Cardiganshire*	7 10 0.			
128 Cwmystwith, I, Cardiganshire	60 0 0.			
280 Derwent Mines, s-l, Durham				
1024 Devon Gt. Consols, c, Tavistockt	1 0 0.			
358 Dolcoath, c, t, Camborne	128 17 6.			
6144 East Caradon, c, St. Cleert	2 14 6.			
300 East Darren, l, Cardiganshire	32 0 0.		14 7 6 0	2 0. Jan. 1867
128 East Pool, t, c, Pool, Illogan	24 5 0.		136 10 0 2	
5000 East Rosewarne, c, t, Gwinear	2 15 0.			0 0Jan. 1867
	3 9 0.			1 6Jan. 1866
1906 East Wheal Lovell, t, Wendron	25 0 0.		2 760	7 6 May, 1866
2800 Foxdale, l, Isle of Man* 5000 Frank Mills, l, Christow	3 18 6.		69 10 0 0 1	
	4 0 0.			5 0Feb. 1866
15000 Great Laxey, l, Isle of Man*	40 0 0.		5 15 0 0 1	0 0Dec. 1866
5908 Great Wheal Vor, t, c, Helston	8 10 0.		10 17 6 0	
1024 Herodsfoot, l, near Liskeardt	5 10 6.		40 10 0 1 1	
				5 0April,1866
400 Lisburne, l, Cardiganshire, Wales	18 15 0.			0 0Nov. 1866
9000 Marke Valley, c, Caradon	1 0 0.			2 0Jan. 1867
3000 Minera Boundary, l, Wrexham				3 0 Mar. 1866
1800 Minera Mining Co. l, Wrexham	7 0 0.			0 0. Nov. 1866
20000 Mining Co. of Ireland, c, l, cl		14 10		5 7Jan. 1867
40000 Mwyndy Iron Ore*†	3 5 0.			2 6 Mar. 1866
- New Merrybent and Middleton*	3 10 0.		5 per cent.	Nov. 1866
200 Parys Mines, c Anglesey*	50 0 0			0 0Jan. 1866
1120 Providence, t, Uny Lelant	10 6 7		81 17 6 0 1	
512 South Caradon, c, St. Cleert	1 50	320		0 0Jan. 1867
6000 South Darren, l	3 6 6		0 56 0	2 6June, 1866
6000 Tincroft, c, t, Pool, Illogant	9 0 0			5 0Jan. 1867
3000 W. Chiverton, l, Perranzabuloet	10 0 0			0 0 Feb. 1867
400 West Wheal Seton, c, Cambornet.	47 10 0		467 0 0 2 10	0 0 Feb. 1867
512 Wheal Basset, c, Illogant	5 26	66 64 66	622 0 0 1	0 0Oct. 1866
1024 Wheal Friendship, c, Devon	20 0 0		300 10 0 0 10	0 0 Nov. 1866
4295 Wheal Kitty, t, St. Agnes	5 4 6	316 3 316	3 100	
1024 Wheal Mary Ann, l, Menheniott	8 0 0	13 11 13	60 76 0 10	
2000 Wheal Rose, c, Scorider		11	1 0 0 0 10	0 0 Feb. 1866
396 Wheal Seton, t, c, Camborne	58 10 0	1271/2 105 110	239 5 0 3 10	0 0. Feb. 1867
1040 Wheal Trelawny, s-l, Liskeardt	5 17 0	12 9 11	54 5 6 0	6 0. Dec. 1866
7000 Wicklow, c, i, Wicklow	2 10 0	251/4	45 15 0 0 18	8 0Oct, 1866

FOREIGN DIVIDEND MINES.

5000 Cape Copper Mining*t 7 0 0 9 814 814	 2 12 6 0 10 0 April. 1866
25000 Fortuna, l, Spain*f 2 0 0 214 134 214	
70000 English and Australian, ct 2 10 0 1 34 1	 1 13 0 0 1 0 Feb. 1867
20000 Gen. Mining Assoc., Nova Scotiat 20 0 0 21 19 21	 22 0 0 1 0 0 June, 1866
10000 Gonnesa, l,* [5000 £5 pd., 5000 £4 pd.]	 716 per cent. per annum.
15000 Linares, t, Spain*† 3 0 0	 11 6 4 0 5 0 Jan. 1865
50000 Panulcillo, c*† 3 0 0 3 2 21/2	10 per cent Yearly.
10000 Pontgibaud, s-l, Francet 20 0 0 8 7 8	 4 3 2 1 3 6 Dec. 1866
100000Port Phillip, g, Clunest 1 0 0 % 34 %	
120000Scottish Australian Mining Co. t. 1 0 0 116 % 116	 71/2 per cent Dec. 1866
11000 St. John del Rey. Brazil*† 15 0 0 54 52 53	
50000 Victoria (London) [25000 £1 pd., 25000 12s. 6d. pd.]	 0 9 0 0 1 0Jan. 1866
40000 West Canada Mining Company 1 0 0	

NON-DIVIDEND FOREIGN MINES.

## Shares. ## ## ## ## ## ## ## ## ## ## ## ## ##	THE MINING SHARE LIST.
1300 Alferley Edge, C. theshire	
New Merrybent and Middleton	1500 Alderley Edge, c, Cheshre* 10 0 0
5600 Crpe Copper Mining**	New Merrybent and Middleton* 3 10 - 0 6 6 0 2 6 Mar. 1866
Mines. Paid. Last Pr. Bus. done. Last Call.	5600 Ccpe Copper Mining*† 7 0 0 9 8½ 8½ 2 12 6. 0 10 0. April,1866 5000 Fortuna I. Spain*† 2 0 0 2½ 13½ 2½ 1 5 4. 0 2 0. Oct. 1866 6000 English and Australian ct 2 10 0 1 41 13 0. 0 1 0. Feb. 1867 6000 English and Australian ct 2 10 0 0 2 1 19 21 22 0 0. 1 0 0. June,1866 6000 Gen. Mining Assoc. Nova Scotia† 20 0 0 21 19 21 22 0 0. 1 0 0. June,1866 6000 Genness, I.* [5000 £5 pd., 5000 £4 pd.] — 7000 Linares, I.* [5000 £5 pd., 5000 £4 pd.] — 71½ per cent. per annum. 5000 Linares, I.* [5000 £5 pd., 5000 £4 pd.] — 71½ per cent. per annum. 5000 Panulcillo. c*† 3 0 0. 3 2 2½ 10 per cent. Yearly 6000 Ponulciband, s·I. France† 20 0. 8 7 8 4 3 2. 1 2 6. Dec. 1866 60000 Port Phillip, g. Clanes† 1 0 0. ½ 3 24 ½ 0 16 6. 0 1 0. Jan. 1867 60000 Ponulcib Australian Mining Co.† 1 0 0. 1½ 3 24 ½ 7 1½ per cent. Dec. 1866 1000 St. John del Rey. Brazil*† 15 0 0. 54 52 53 72 15 0. 4 0. John. 1868 60000 Victoria (London) [25000 £1 pd., 25000 128.6 d. pd.] 0 9 0. 0 1 0. Jan. 1868
Mares Paid Last Pr. Bus. done Last Call 1	NON-DIVIDEND FOREIGN MINES.
3174 United Mexican, s, Mexico†‡	25000 Alamillos, Spain *+ 2

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Alliance*	Shares.	Banks.	,	D	,		A P		n		
40000 Australian Mort. Land and Financet 5 0 0 6 5 5 5 5 5 5 5 5 5	Snares.	Allianos##	0.	au	t.	Lie	ast P				
10000 Australasiaf	40000	Annable Most Land and Pinance	25	0	0	• •	19				
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250000 Bank of New Zealandt	20000	Australasiat	40	0	0						
25000 Bank of Otago*+	10000	Bank of Egypt	25	0	0		31				
20000 Bank of Victoria, Australiat	50000	Bank of New Zealandy	10	0							
Sepis Canadian Loan and Investment*	25000	Bank of Otago*†	10	0			6				
Sepison Canada Company 32 10 0 80 68 72	20000	Bank of Victoria, Australiat	25	0	0		39		37	39	
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40000 Company of African Merchants.*	20000 (Colonial*	25				26		39	41	
150000 Consolidated Bank*	40000 (Company of African Merchants **	2				9				••
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37500 London and County 20 0 0 65 6 465	50000 I	London Chartered Bank of Australiat	20	0	9				22	23	
40000 London Financial Association	37500 1	ondon and County+	90								
72000 London Joint-Stockf 15 0 0 42 42 43 4	40000 I	London Financial Association **	95						614	714	
5090 London and River Plate** 40 0 0 - 45 47 20000 ditto ditto New, Issued at 1½ prem.** 10 0 0 - 11 12 20000 ditto ditto New** 10 0 0 - 11 12 10000 London and South-Westera* 20 0 0 18 18 19 5000 London and Venezuela** 12 10 0 - 3 3 50000 London and Westminstert 20 0 0 94 94 95 50000 Mercantile and Exchange** 12 10 0 - 3 3 5000 ditto New** 25 0 0 - 15½ 18½ 500 5000 ditto New** 20 0 0 10½ 8 9 4000 Midland** 20 0 0 - 911 11 20000 Midland** 4 0 0 6 5 6 6 5 6 20000 National of Australia* 4 0 0 6 5 6 6 6 20000 National of Liverpool** 15 0 0 - 15 16 10 3000 ditto ditto 2dand 3d Issue** 12 0 0 - 3 3 4000 National of Liverpool** 20 0 0 - 6 6 5 5000 Oriental Bank Corporation** 20 0 0 - 46 44 46 6000 Oriental Bank Corporation** 25 0 0 - 43 45 27210 Provincial Banking Corporation** 25 0 0 - 83 85 10000 ditto ditto New* 10 0 0 - 83 85	72000 I	ondon Joint-Stockt	15				49	***	917	4314	
20000 ditto ditto New Issued at 1½ prem.** 10 0 0 — 11 12 20000 ditto ditto New*+ 10 0 0 — 11 12 10000 London and South-Western** 20 0 0 18 18 19 5000 London and Veezenela*+ 20 0 0 94 94 95 50000 London and Westminster*+ 20 0 0 94 94 95 50000 Mercantile and Exchange*+ 12 10 0 — 3 5 50000 ditto New*+ 25 0 0 — 15½ 16½ 16½ 5000 ditto New*+ 20 0 0 — 9 11 7155 Metropolitan and Provincial*+ 20 0 0 — 18 18½ 5000 Midland*+ 20 0 0 — 18 18½ 6000 Midland*+ 20 0 0 — 18 18½ 6000 Midland*+ 20 0 0 — 18 18½ 6000 Midland*+ 20 0 0 — 18 18½ 5000 ditto ditto 2d and 3d issue*+ 12 0 0 — 15 16 10000 Mational of Liverpool*+ 15 0 0 — 15 16 10000 Midland ditto ditto 2d and 3d issue*+ 12 0 0 — 5000 ditto ditto 2d and 3d issue*+ 12 0 0 — 50000 Midland*+ 20 0 0 — 35000 ditto ditto 2d and 3d issue*+ 20 0 0 — 35000 ditto ditto 2d and 3d issue*+ 20 0 0 — 35000 ditto ditto 2d and 3d issue*+ 20 0 0 — 35000 ditto ditto 2d and 3d issue*+ 20 0 0 — 34 4 46 6000 Oriental Bank Corporation*+ 25 0 0 — 43 45 5000 Oriental Bank Corporation*+ 25 0 0 — 43 45 27210 Provincial Banking Corporation*+ 10 0 0 — 3 4 20600 Provincial ditto New*+ 10 0 0 — 83 85 10000 ditto ditto New*+ 10 0 0 — 83 85	5000 I	ondon and River Plate**	40				30		45	47	
20090	20000	ditto ditto New lasned at 11/ prem #4	10				_	••	11		
10000 London and South-Western* 20 0 0 18 18 19		ditto ditto Now#4	10								
5000 London and Venezuela**	10000 1	Loudon and South Western	113				* 0				
50090 London and Westminsterf	5000 I	ondon and Vanaguala ##	20				18		15	19	
50090 Mercantle and Exchange*†	K0000 1	London and Westerlauters	12				-				
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5000 ditto New++ 20 0 0 9 11 17155 Metropolitan and Provincial++ 20 0 0 10½ 8 9 8000 Midland++ 20 0 0 0 10½ 8 9 20000 National of Australia+ 20 0 0 - 18 18½ 20000 National of Liverpool++ 15 0 0 - 15 16 10000 National Provincial of England+ 15 0 0 - 5000 ditto ditto 2d and 3d issue+ 12 0 0 - 40000 National Provincial of Liverpool++ 20 0 0 0 40000 National++ 20 0 0 46 44 46 60000 Oriental Bank Corporation++ 25 0 0 43 45 60000 Oriental Bank Corporation++ 10 0 0 3 4 20000 Provincial Banking Corporation++ 25 0 0 83 85 10000 ditto ditto New+ 10 0 0 0	20000 3	mercantile and Exchange*7	12								
17156 Metropolitan and Provincial*+	10000 N	derchants,	25					1			
\$000 Midland* 20 0 0 18 1816	2000	altto New*	20								
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20090 National of Australia†	5000 3	Midland*†	20	0 1) .				18	1816	
10000 National Provincial of England†	20000 1	National of Australia	4	0) .		6				
10000 National Provincial of England†	20000 7	National of Liverpool*	15	0) .	-	_		15	16	
50000 ditto ditto 2d and 3d issue† 12 0 0	10000 2	National Provincial of England	49				-				
40000 National 30 0 0 70 63 65	\$5000	ditto ditto 2d and 2d issue+	10					••			
50000 New South Walest 29 0 0 46 44 46 60000 Oriental Bank Corporation* 25 0 0 43 45 27210 Provincial Banking Corporation** 10 0 3 4 20000 Provincial of Ireland* 25 0 83 85 10600 ditto Meet 10 0 -	40000 2	National†	20			٠,	70		02	ex	
60000 Oriental Bank Corporation† 25 0 0 - 43 45 27210 Provincial Banking Corporation*† 10 0 0 - 3 4 26000 Provincial of Ireland† 25 0 0 - 83 85 10000 ditto ditto New† 10 0 0 -	50000 B	New South Walest	90				40		44		
27210 Provincial Banking Corporation*†	60000 0	riental Bank Corporation	92								
20000 Provincial of Irelandt	27210 F	Provincial Ranking Corporation 14	10				-				
19000 ditto ditto Newf	20000 T	Provincial of Irelands	11)				-				
40000 Union of Australia	10000	ditto ditto Now4	25				-		83	85	
	40000 T	Twice of Amsterlina	10				-				
40000 Union of Australia 25 0 0 50 47 49	10000 7	mou of Australia	25								
10000 Union of Ireland*†	10000 (nion of freiand **	22								
80000 Union of Londont 15 0 0 4544% 4514	80000 C	nion of Londont	15	0) ,		45	4	436	4514	

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TILO	CHAIN	BOTA	17 101	THES.

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		PROGRES	SIVE	MINES.		Shares. Mines. Paid. Last Pr. Bus. 6 1024 South Callington, s-1 5 17 6 214 2 214	lone. Last
1	Shane 4000	Ballacorkish, I. of Man, I, c	Paid.	Last Pr. Bus. d	lone. Last Call	3000 So. Chiverton, s, l, Perran. 5 15 0	June,
	3200	Bedford Unit., c, Tavistk.	2 6	8 1 11/4	:Nov. 186	2283 South Crenver, c, Crowan 12 9 0 —	Oct.
t paid	500 1248	Billins, l, Flint Boscaswell, t, c, St. Just Bottle Hill, t, Plympton	7 6	0 = ::	Fully pd Dec. 186	5000 So. Exmouth, l, Christow. 2 17 0 —	Feb.
. 186 y, 186	5000 200	Bottle Hill, t, Plympton Brynford Hall, t, Flint	1 14	6 –	June, 186	1024 So. Herodsfoot, l, Liskeard 9 10 0 8 5% 69	April Dec.
t. 186	500 1200	Brynford Hall, l, Flint Bryn Gwiog, l, Flint Bryn Gwyn, l, Mold*‡ Budnick Consols, c, t Caldbeck Fells, l, Cumber.*	9 0	0	June, 186	937 So. Wh. Crofty, c. Illogan, 24 10 10, 14123418	Sept.
g. 186	1000	Budnick Consols, c, t	1 10	1	Dec. 186	8000 South Wheal Grenville, t. c. 0 16 6., 11s., 78, 90	
. 1866 . 1866		Camborne Consols, c Camborne Vn. & Wh. Fran.			Feb. 186	400 So. Wh. Seton, c, Camborne 74 13 0 — 512 South Tolgus, c, Redruth 9 10 0 —	Oct.
. 186					.Oct. 1866	64 Spearne Consols, t, St. Just 10 0 0 —	Oct.
. 186	1000	Carn Brea, c, t, Illogan‡	25 0	0 17 14 16	Nov. 1866	4000 St. Day Unit., t, Redruth. 16 18 6 — 940 St. Ives Consols, t, St. Ivest 10 15 0 10 81/4 91	Jan.
. 1867	5000	Cape Cornwall, t, c* [8000 £: Caradon Cons., c, St. Cleer Carn Brea, c, t, Illogan‡ Carn Camborne, c. Cambn. Carnarvonshire, l* Cardigan Cons.* [1000 £5 pc Cardiganshire, l*	4 0 0) =	Fully pd.	64 Spearne Consols, t, St. Just 10 0 0	Nov.
. 1866 . 1867	600	Cardiganshire, l* Carysfort [3200 £2½ pd., 16	17 10 (0 —	Sept. 1866	7000 St. out Come. t [Solow 21 pd., 5000 tos. pd.] 7000 St.perstones, l, Salop* 4 10 0 —	Sept.
. 1866 , 1866	1 66000	Castell Carn Dochan, g	0 8		Mar. 1868		Jan.
. 1867 . 1866	2500	Cefn Cilcen, l, Flint* Central Minera, l*	3 12 6	3	Aug. 1866 Nov. 1866	6000 Tolcarne, c, Camborne 3 1 6 — 548 Trelyon Consols, t, St. Ives. 16 0 0 4 3 4	July,
1866					Feb. 1867	1 501 Tresavean and Treth irrun 15 10 0	Nov.
1867	3000 2000	Central Snainbeach t	6 3 6	6.4.74 73	s Feb. 1867	4440 Trevenen & Tremenheere 7 11 0	Nov. 1
. 1866 . 1867	2880 256	Clifford Amalg., c, Gwen.;. Condurrow, c, t, Camborne	32 0 0	0 75½ 6½ 0 17 16 17	ć	1 2000 Trumpet Cons., t, Helston, 11 10 0 10% 11 12	Jan. 1
. 1866	5000 2450	Connorree, c, sul, Wicklow* Cook's Kitchen, c, Illogan;	1 0 0	1112. 914 1	Fully pd.	4200 Vigra and Clogau, c, Dolg. * 5 0 0 8 6 8	Fully
. 1867 . 1866	1024	Copper Hill, c, Redruth Craddock Moor, c, St. Cleer;	12 10 0	=	June, 1866	6000 West Basset, c. Illogantt., 1 10 0.,	
1866					Dec. 1866	40000 West Clogan, a. Merioneth, 1 0 0	R by
. 1866	6000	Crelake, c, Tavistock Cuddra, t, St. Austell Dale, l, North Stafford Darren, l, Cardigan*	5 0 0		Oct. 1866	1000 West Cwm Erfin, l* 5 0 0 — 2850 W. Condurrow, t, c, Cam 12 11 3 — 256 West Damsel, c, Gwennap. 38 10 0 —	, a 5
1867	1000	Darren, l, Cardigan*	12 4 0		.Oct. 1866	2592 West Great Work, t* 5 11 0	June.
1867					May, 1866 Dec. 1866 Dec. 1866	1 1000 West Nanty, 2*	Oct.
1867 1866	656	Devon Wheal Frances, c Drake Walls, t, Calstock; Ding Dong, t, Gulval	49 14 6	:: - 11/8:: 3/4 1	Dec. 1866	8000 West minster, l* 5 0 0 5¼ 5 ¼ 1000 West Rose Down, c, Linkin. 17 0 0 —	Jan.
1866	25000	Dundalk, Ireland, l*	0 15 0	:: = ::	June, 1864 Feb. 1867	6000 West St. Ives, t, c 0 5 0 — 256 W. Sharp Tor, c, Rillaton190 0 0 —	Dec. 1
1866 1866	740	Dolfrwynog, g* Dundalk, Ireland, l* Dyfngwm, l, Wales Eaglebrook, l*	19 15 0		July, 1866	512 West Tolgus, c, Redruth 52 10 0 24 20 23 512 W. Wh. Frances, t, Illogan104 15 0 17 14 15 5000 W. Wh. Kitty, t, St. Agnes. 2 15 6 —	Aug.
1867 1866	1000	East Basset and Grylls, t	3 5 0		July, 1865		. Dec.
1866	60000	F Bottle Hill # Diameter	0 6 6	14. 1/ 1/4	Oct. 1865	6000 Wheal Algar, c, Iliogan	. Nov. I
	4000	East Brookwood, Holne E. Carn Brea, c, Redruth; East Chiverton, l, Perranz. E. Grenville, c, Camborne	3 15 0 2 9 3	314314 314	Dec. 1866	1000 Wheal Basset Consols 0 5 0 — 1000 Wheal Basset and Grylls, t 7 18 6 —	Aug.
1,1866	4000	E. Gunnisiake & S. Bed. C.	9 0 0	· • 478 · • 178 178		1000 Wheal Curtis, c, Crowan 18 10 0	May,
1,1866 1866 1867	1 6000	East, Laxey, I. Isle of Man*	2 10 0		Aug. 1866	6000 Wheal Crebor, c, Tavistock 2 6 6 — 6144 Wh. Damsel, c, t, Gwennap 2 15 0 —	Feb. i
, 1866	3986	East Moor, s E. Providence, t, Uny Lel. East Snaefell, l, I. of Man*	5 1 9	= .:	Feb. 1867 Dec. 1864	4096 Wh. Edward, c, Calstock 9 1 6 — 849 Wheal Emily Henrietta, c. 16 15 0 114	Dec. 1
ım. 1865	5610	East Seton, c, Camborne E. St. Just, t* [6000 £3 10s.]	0 11 0	% 36 1/2	Oct. 1865 Nov. 1866	4000 Wh. Emma, c, Buckfastlei. 3 19 0 — 1024 Wh. Exmouth, l, Christow: — —	July,
1866	256	East Toigus, c, Redruth	96 0 0		April,1866	6000 Wheal Grenville, c, Camb. † 9 8 6 20s 74 1	Dec. 1
1867 1866	4000]	East Toigus, c, Redruth E. Wh. Agar, c, St. Cleer E. Wh. Russell, Tavistock	11 16 6	34.34 34	Jan. 1867	6000 Wheat Ida, s-t, St. Ive 1 0 0	Sept. 1
1866 1866	940 1	Fortescue Consols, c Fowey Con.,c, Tywardreath	5 1 6		June, 1866	896 Wh. Margaret, t. Unv Le. 1 13 17 6. 9 814 914	
1865	10000 1	Furze HillWoodCon. Buckl. Fursdon, c* [5000 £1 10s.] Garlidna Unit., t, Wendron	1 16 0		Feb. 1866 Mar. 1865	728 Wheal Margery, t, c 24 4 10	Jan. 1
	4096 (Garlidna Unit., t, Wendron Gawton, c, Tavistock Gen. Min. Co. for Ireland, c	3 5 6	: = ::	Feb. 1866 Feb. 1866	1000 Wh.MaryHutchins,Plymp. 1 5 6 5	May, I
Call	6000 G	Jen. Min. Co. for Ireland, c Jlasgow Caradon c* [30000 £	4 0 0 1 pd., 10	2% 2% 000 10. pd.]	Sept. 1866	1000 Wh.MaryHutchins,Plymp. 1 5 6 5 6000 Wh. Norris, t, c, St. Cleer. 4 6 1 — 80 Wheat Owles, t, St. Justi. 70 0 0 — 1500 Wheat Sarah, t, Lanivet 0 13 8 —	Sept. 1
pd.	6144 (6000 (Jonamena, c, St. Cleer	5 18 0. 2 10 0.	: = :: 2% 3	Feb. 1867 Fully pd.	6000 Wheal Sparnon, c, Redruth 3 0 0	June,
1866	486 (rambler and St. Aubynt.	3 13 0	. 6 56	Nov. 1866 Feb. 1867	1920 Wh. Trannack, c, Sithney. 1 13 3 — 1200 Wheal Trevenna, t, c* 9 0 0 — 4096 Wheal Uny, t, c, Redruth 10 16 0 214 2 214	Jan.
	3000 G	it. East Lovell, t, Helston ireat Mona, I, Isle of Man* ireat North Downs, c it. No. Laxey(Isle of Man)*	2 1 0.		Nov. 1866 June, 1866	4096 Wheal Union, c, Redruth 10 16 0 214 2 214 6000 Wheal Union, c, Redruth 5 1 11. —	Dec.
1866	5000 G	reat North Downs, c	6 13 0.	314 . 314 414	Feb. 1867 Jan. 1867		o auc,
1866	4800 6	reat Retallack, 8-6, 0	7 19 0.	· */\$ · · · 0/\$ 0/\$	Jan. 1867	MISCELLANEOUS.	
1866	6000 G	t So Tolens c Redenth.	0 19 6.	. 3/a . 3/a 7/a	Aug. 1866 June, 1863		
1866	3313 G 1798 G	reat Wheal Baddern, t t. Wh. Fortune, t, Breage	7 2 6.	. 514 8 514	Dec. 1866	60000 Anglo-American Telegr. † 10 0 0 15% 15½ 15 13000 ditto New † 4 0 0 5½ 5½ 20000 Anglo-Mexican Mint † 10 0 0 16 15 16	4
1866	10240 G	reat Work, t, Germoe16 unnislake (Clitters'), t, c.	4 15 0.		Aug. 1866	600000 Atlantic Telegraph * 100 0 0 23 17 22	::
1866	6068 G 6000 H	wydyr Pk. Con., Llanrwst Iallenbeagle, c, Kenwyn	2 13 0.	: = ::	Nov. 1866 Nov. 1866	20000 Australian Agricultural†, 20 10 0 20 18 20 47000 Berlin Waterworks*† 10 0 0 —1134 12 25000 Bolckow, Vaughan*† 17 10 0 21½19 21½	::
pd. 1866	6400 H 5000 H	[arwood, I, Durham*	0 6 0. 4 15 0.	'2	Sept. 1864 Mar. 1866	6000 British American Landt 44 0 0 20 25	**
1862 pd.	305 11	niebreck and Garranan	1 0 0.		June, 1866	534780 Brit. & Irish Mag. Teleg. *100 0 0 93 88 93	.:
	6000 L	llogan, t, c	4 1 0.	: = ::	Jan. 1866 June, 1866 Mar. 1866	50000 British Shipownerst 7 10 0 4 3½ 4½ 50000 Canadian Loan & Invest. † 2 10 0 25000 Cevion Company † 10 0 0 10 11	::
1867 1865	1019 1	eeds and St. Annyn. L. C., 1	9 10 4.		Mar. 1866 June, 1866	25000 Ceylon Company * 1 10 0 0 — 10 11 12000 ditto A shares * 2 0 0 — 136 12 27000 China Sim shipk Lab Coal * 11 0 0 244 . 114 24	
1865 1866	6000 L	evant, c, t, St. Just levant United, St. Just	0 10 0.	314316 3%	**	27000 ChinaSimship&Lab.Coal† 11 0 0 2½ 4.1½ 2½ 30000 City Discount* 3 0 0 2 1½ 2 20000 City London Real Prop. *† 8 0 0 5 \$5.00 City of Moscow Gas*† 25 0 0 18½ 18½ 17 \$1.0000 City of Moscow Gas*† 25 0 0 18½ 1.18½ 17 \$1.0000 City of Moscow Gas*† 25 0 0 18½ 1.18½ 17 \$1.0000 City of Moscow Gas*† 25 0 0 18½ 1.18½ 17 \$1.00000 City of Moscow Gas*† 25 0 0 18½ 1.18½ 17 \$1.00000 City of Moscow Gas*† 25 0 0 18½ 1.18½ 17 \$1.00000 City of Moscow Gas*† 25 0 0 18½ 1.18½ 17 \$1.00000 City of Moscow Gas*† 25 0 0 18½ 1.18½ 17 \$1.00000 City of Moscow Gas*† 25 0 0 18½ 1.18½ 17 \$1.00000 City of Moscow Gas*† 25 0 0 18½ 1.18½ 17 \$1.00000 City of Moscow Gas*† 25 0 0 18½ 1.18½ 17 \$1.00000 City of Moscow Gas*† 25 0 0 18½ 1.18½ 17 \$1.00000 City of Moscow Gas*†	**
1866	3000 M	agg-v-Safn 19	0 0 0.		Jan. 1866 l	\$5000 City of Moscow Gas*† 25 0 0 18½16½171	4
1866	5000 M	audlin, c, Lostwithiel	3 15 6.	: - ::	May, 1865 Jan. 1866 Aug. 1865	20000 City Offices 1	
1864 1866	4975 M	olland, c, South Moulton ount Pleasant, l, Mold angiles, t, c, Kea 2	3 13 0.		Feb. 1867	42000 Copper Miners of Eng. + [2000 £25 pd., 40000£100 pd.]
pd.					Feb. 1867 Fully pd. Jan. 1865	1002925Crystal Palacet	::
	512 N 250 N	ant Minera, l	0 0 0.		Aug. 1866	160820 ditto preference†100 0 0 105102 105 277000 ditto 6 per cent. p.d. †100 0 0 106106 109	::
1866	6000 N	ew Clifford c. Gwennan	2 0 0.		Mar. 1866		
pd.	24000 N	ew Cornish [12000 £1 pd., 1:	2000 158	. pd.]	Sept. 1866 Nov. 1866	20000 E. Indian Land, Credit*1. 10 0 0 0 4 2 3	4
pd.	6514 No	ew E. Russell, c. Tavistk. ew Hendra, t, c. Breage 1 ew Pembroke, t, c	10 6.	= ::	Sept. 1866 Mar. 1866	113813 Egyptian Com. & Tradg. *† 9 0 0 3 2 % 3 % 879975 Electric Telegraph † 100 0 0 137 130 134	**
pd.	6400 No	ew Pembroke, t, c	0 6.		Dec. 1866	10000 English & Sept Marine #4 8 0 0	**
pd.	5755 N	ew Treleigh, c, Redruth ew Trevenen, t, Wendron	8 0		May, 1866	25000 Fairbairn Engineering*t. 5 0 0 5 3½ 4½ 30000 Fore-street Warehouse*t. 12 0 0 12½ 12½ 13 200000 General Credit and Disc. *f 7 10 0 5	::
	4096 No	ew Wheal Lovell, t ew Wh. Seton, c, Cambn. 55	11 0		Jan. 1867 Dec. 1866		
-	9000 N	ow Wheal Towan e t	10 0	- Marie	July, 1866 July, 1866	20000 General Sun. Navigation 14 9 0 . 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
- 1	5000 No	orth Devon, s-l*	0 0		Oct. 1866 Jan. 1867	100000 Hudson's Bayt 20 0 0 164164164	6
- 1	1361 No	orth Downs, c, Redruth	6 19 9		Dec. 1866	50000 Indian Carrying * 1 15 0	
	6000 No	Hallenbeagle [8000 £1 pd., torth Jane, t, s-l, Kenwyn.	0 6	1 34 1	July, 1865 Sept. 1866 Sept. 1866	30000 Italian Landt	::
1	2000 No	orth Levant, t, c, St. Just 1	0 0 0		Fully pd.	20000 Land Securities * 5 0 0 3 2 21/2	::
- 1	4000 N.	Phoenix,c, Linkinghorne	18 6.		May, 1864 Nov. 1866	20000 London and Caledonian*† 5 0 0 2 50000 London County & Build.*† 2 0 0 34 114 12000 London Dist. Telegraph*† 5 0 0 134 1 114	::
	1024 No 695 No	orth Retallack Mine b. Roskear, c, Camborne. 49	3 0	1114. 67	Feb. 1867	12000 London Dist. Telegraph * 5 0 0. 134. 1 14 148525 London Gen. Omnibus * 4 0 0. 334. 3 34 5000 London and Glas. Engl. * 25 0 0. 4 2 5	**
					July, 1866	64500 London & Prov. Marine T 2 0 0., 2 172 2	::
	6000 No	o. Snepherds, t, Newlyn Treskerby, c, St. Agnes orth Wheal Basset, c, tt Wh. Rebert Says Says Says	11 3.	5% 43% 51%	April,1866 July, 1866 Feb. 1866	10000 Marine Investment*† 6 5 0 — 12500 Mauritius Land, Cred., &c. *† 2 0 0 114	
	9988 Ok	rel Tor. c Calatock	7 4		Aug. 1866	12000 Mediterranean Ex. Tel. *† 10 0 0 3 2 2½ 10000 Merchant Shipping*† 20 0 0 1312 12½	**
1	8000 OI	d Gunnislake.c. Calstock or Consols, c, St. Blazey†;	10 0		.Aug. 1866 .Nov. 1866	00000 Millwall Freehold Land*†100 0 0 — 34 35	
	8465 Pe	dn-an-drea, t, Redruth andeen Consols, c, St. Just 5	16 6	=	Thee 1900	20000 Mineral Dichte Assoc 4 1 0 0	: 1
	2240 Pa	nhale Wheel Voy 4 e 3	9 0		.Jan. 1867 .May, 1866	30000 Natal Land and Col	**
1	5000 Pe	nhale and Lomax, s-l 1	10 0		.Oct. 1866 Feb. 1865	20000 National Provin. Marine 7 2 10 0	
	200 Pe	ntre Lygan, le 30	0 0	= ::	.May, 1865	20000 National Steam Naviga. 7 30 0 0 12 12 20000 New Zealand Loan, &c. *† 2 10 0 — 2 24 20000 New Zealand Trust, &c. *† 5 0 0 — 51/4 51/4	
	1772 Po	lberro, t, St. Agnes 15	0 0		Fully pd.	40000 N. British & Merc. Insur. 7 6 5 0 15 6 15 16	
1	0000 Pr 2800 Pr	ince Arthur Consols, l* 2 ince of Wales, t, Calstock 0	12 6	33s. 35s.	.Feb. 1867	30000 Oriental Gas*†	
1	6000 Pro 2000 Re	ince Arther Consols, l* 2 ince of Wales, t, Calstock osper Un., t, c, St. Hilary dmoor, c, t, Callington innie Laxey, l, I. of Man*	11 6	3%3% 3% 11s9s. 11s.	.Feb. 1867	25000 Otago and Southland 1. 2 0 0 11/4 11/4 20000 Peninsular and Oriental 1 50 0 0 66 68	: 6
1	6000 Re	innie Laxev. I.I. of Man* 4	0 0		.Feb. 1867	20000 ditto ditto New* 50 0 0 65 67	

(Jan. 1867	
14	Jan. 1867	MINGRIT E AMBORG
,		MISCELLANEOUS.
8	Aug. 1866 June, 1863	second America American Welcom #4 10 0 0 1837 18171817
£	Dec. 1866	60000 Anglo-American Telegr. *† 10 0 0 15%15141514 13000 ditto New*† 4 0 0 —514 514
•		13000 ditto New+ 4 0 05¼ 5½ 20000 Anglo-Mexican Mint+ 10 0 0 16 15 16
	Aug. 1866	600000 Atlantic Telegraph*†100 0 0 23 17 22
	Nov. 1866	1 90000 Australian Apricultural 90 10 0 90 18 90
	Nov. 1866	47000 Berlin Waterworks*† 10 0 0 — 1134 12 25000 Bolckow, Vaughan*† 17 10 0 21½ 19 21½
	Sept. 1864 Mar. 1866	25000 Bolckow, Vaughan* 17 10 0 211/2 19 211/2
	Mar. 1800	6000 British American Landt 44 0 0 20 25
	June, 1866	534780 Brit. & Irish Mag. Teleg. * 1100 0 0 93 88 93 50000 British Shipownerst 7 10 0 4 31/2 41/2
	Jan. 1866	
	Jan. 1866 June, 1866	1 25000 Cevlon Company** 10 0 0 10 11
	Mar. 1866	
	June, 1866	1 27000 ChinaStmship&Lab.Coalt 11 0 0 256-156 256
	**	27000 ChinaStmship&Lab.Coal† 11 0 0. 2½ -1½ 2½ 30000 City Discount*†
8	Jan. 1866	
	May, 1865	\$5000 City of Moscow Gas+ 25 0 0 18½ 16½ 17½
	Jan. 1866	I soon Commordal Tint (Inan) s 0 0 Sk 31/4
	Aug. 1865	1 40000 Co. of African Merchants*† 3 0 0 3 316
		42000 Copper Miners of Eng. + [2000 £25 pd., 40000£100 pd.]
	Feb. 1867	10000 Cred. Fonc. of Mauritius*† 10 0 0., 8 6 7
	Fully pd. Jan. 1865	1002925Crystal Palacet
	Jan. 1865 Aug. 1866	160820 ditto preference 100 0 0 105 102 105
	rng. 1000	
	Mar. 1866	20000 E. Indian Land, Credit*+, 10 0 0., 4 ., 2 3 .,
	Sept. 1866	50000 E. India Irriga. & Canalt. 15 0 0 121/2 12 13
	Nov. 1866	1 80000 Ebbw Vale Iron Co. ** 23 0 0 11 3% 10%
	Sept. 1866	113813 Egyptian Com. & Tradg. * 9 0 0 3 2% 3%
	Mar. 1866 Nov. 1866	879975 Electric Telegraph † 100 0 0 137 130 134
	Nov. 1866 Dec. 1866	20000 English and For. Credit*† 7 10 0 —
	May, 1866	25060 Fairbairn Engineering*t. 5 0 0 5 31/2 41/2
	May, 1866	30000 Fore-street Warehouse*† 12 0 0 12141214 13
	Jan. 1867	200000 General Credit and Disc. * 7 10 0 5
	Dec. 1866	20060 General Stm. Navigation 14 0 0 28 26 28
	July, 1866	4000 Hollybush Col and Cokes & 0.0 -
	July, 1866	20000 Home and Colon. Assur. * 5 0 0 1 1/4 1 1/4 2
	Oct. 1866 Jan. 1867	20000 Home and Colon. Assur. *† 5 0 0 1¾ 1½ 2 100000 Hudson's Bay† 20 0 0 16¼ 16¼ 16½
	Dec. 1866	80000 Im. Land Co. Marsailles*† 10 0 0 1½ ¾ 1½ 50000 Indian Carrying*† 1 15 0 —
	July, 1865	150000 International Financial*† 5 0 0
	Sept. 1866	30000 Italian Landt 5 0 0 316134 214
	Sept. 1866	4000 London African Tradg.** 10 0 0 5
	Fully pd. May, 1864	20000 Land Securities * 5 0 0. 3 2 21/6
	May, 1864 Nov. 1866	20000 London and Caledonian + 5 0 0 2
	Nov. 1866 Feb. 1867	50000 London County & Build. *† 2 0 0 % 11/4 12000 London Dist. Telegraph *† 5 0 0 13/4 1 11/4
	Jan. 1867	12000 London Dist. Telegraph † 5 0 0 134 1 114 148525 London Gen. Omnibus † 4 0 0 318 3 314
	July, 1866	5000 London and Gias, Engl. 7 25 0 0. 4 . 3 0
6		64500 London & Prov. Marine 7 2 0 0 2 1/2 2
	April,1866	10000 Marine Investment** 6 5 0
í	July, 1866	12500 Mauritius Land, Cred., &c. *† 2 0 0 114
	Feb. 1866	
	Aug. 1866 Aug. 1866	10000 Merchant Shipping*† 20 0 0 13 12 12½ 500000 Millwall Freehold Land*†100 0 0 — 34 35
	Nov. 1866	40060 Millwall Iron works*† 7 10 0
	Dec. 1866	20000 Mineral Rights Assoc 1 0 0
	Feb. 1867	22500 Natal Land and Col
,	Jan. 1867	190000 National Discount**
	May, 1866	40000 ditto new, issued at 5 pm. † 2 10 0 7 71/2
	Oct. 1866 Feb. 1865	20000 National Provin, Marine 7 2 10 0
	Feb. 1865 May, 1865	20000 National Steam Naviga. + 30 0 0 17 . 15 17
	Fully pd.	20000 New Zealand Loan, &c. *† 2 10 0 2 24 20000 New Zealand Trust, &c. *† 5 0 0 5 4 5 2
	Aug. 1860	20000 New Zealand Trust, &c. + 5 0 0 5¼ 5½ 40000 N. British & Merc. Insur. + 6 5 0 15½ 15 16
	Fully pd	30000 Oriental Gas*† 5 0 051/6 5%
s.	Feb. 1867	30000 ditto New*t 1 0 0 1 1/4
	July, 1866	95000 Otago and Southland** 2 0 0 1% 1%
	. Feb. 1867	20000 Peninsular and Oriental* 50 0 0 66 68
	.Feb. 1867	20000 ditto ditto New 7 50 0 0 65 01
	Nov. 1866	10000 Rhymney Iron*†
	.Feb. 1866	15000 Royal Mail Steam*† 60 0 0., 108
. '	Aug. 1866	300000 Scottish Austra. Invest. *† 100 0 0 123 128
1	July, 1866	14200 South Australian Land*†, 25 0 0 33 35
	Fully pd.	280000 Submarine Telegraph * 100 0 0 60 70
	July, 1866	- ditto Scrip*+ 1 0 0 % %
4	.Oct. 1866	100000 Thames & Mersey Marine*† 2 0 0 5½ 5½
	Oct. 1866	30000 Uni.Kingdom Telegraph*† 5 0 0 —1½ 2½ 20000 ditto 10 per cent. pref. *† 5 0 0 — 4 5
	Feb. 1867	20000 dieso to bet cents bier
	1	

 $b, \, {\tt blende} \, ; \, cl, \, {\tt coal} \, ; \, c, \, {\tt copper} \, ; \, g, \, {\tt gold} \, ; \, \, l, \, {\tt lead} \, ; \, s, \, {\tt silver} \, ; \, sl., \, {\tt slate} \, ; \, s-l, \, {\tt silver-lead} \, ; \, t, \, {\tt tin} \, ; \, s, \, {\tt zinc.}$

. Companies marked thus * have been incorporated with Limited Liability; those marked † have been admitted on the Stock End those marked thus; have paid Dividends.

*• Our object being to make the Share List correct, we earnestly call upon those who have the power to aid us, by forwarding any tions or correction which may, from time to time, come under their notice. To shareholders, as well as those officially conserve the mines, we appeal for information. Reports from mines—in fact, mining intelligence of every description, forwarded to consult meet with ready attention.

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